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 OF 1881-82.

The *Examination Papers* of the Session 1880-81 are published separately, and may be purchased of the Secretary, or through booksellers.

Governing Body of the University.

VISITOR :

HIS EXCELLENCY THE RIGHT HON. THE MARQUIS OF LORNE, K.T., P.C.,
GOVERNOR GENERAL OF CANADA, &C.

GOVERNORS :—

[*Being the Members of the Royal Institution for the advancement of Learning.*]

THE HON. CHARLES DEWEY DAY, LL.D., D.C.L., *President and Chancellor of the University.*

THE HON. JAMES FERRIER, SENATOR, M.L.C.
PETER REDPATH, ESQ.
GEORGE MOFFATT, M.A.
JOHN H. R. MOLSON, ESQ.
THE HON. FREDERICK W. TORRANCE, M.A., B.C.L.
CHARLES J. BRYDGES, ESQ.
THE HON. SIR ALEXANDER T. GALT, K.C.M.G.
THE HON. SIR FRANCIS HINCKS, K.C.M.G., C.B.
JOHN MOLSON, ESQ.
JOSEPH HICKSON, ESQ.
THE HON. ROBERT MACKAY.
THE HON. JOHN J. C. ABBOTT, D.C.L., Q.C.
ROBERT A. RAMSAY, M.A., B.C.L.

[The Board of Governors has, under the Royal Charter, the power to frame Statutes, to make Appointments, and to administer the Finances of the University.]

PRINCIPAL :—

JOHN W. DAWSON, M.A., LL.D., F.R.S., C.M.G., *Vice-Chancellor.*

[The Principal has, under the Statutes, the general superintendence of all affairs of the College and University, under such regulations as may be in force.]

FELLOWS :—

VEN. ARCHDEACON LEACH, M.A., D.C.L., LL.D. Vice-Principal and Dean of the Faculty of Arts.
HENRY ASPINWALL HOWE, LL.D., Governors' Fellow.

GEORGE W. CAMPBELL, M.A., M.D, LL.D., Dean of the Faculty of Medicine.

Rev. JOHN COOK, D.D., Principal of Morrin College, Quebec.

ALEXANDER JOHNSON, M.A., LL.D., Vice-Dean of the Faculty of Arts, Governors' Fellow.

Rev. GEORGE CORNISH, M.A., LL.D., Elective Fellow, Faculty of Arts.

Rev. HENRY WILKES, M.A., D.D., LL.D., Principal of the Congregational College of British North America.

Rev. D. H. MacVICAR, LL.D;, Principal of the Presbyterian College of Montreal.

WILLIAM H. HICKS, Esq., Principal of McGill Normal School.

J. J. McLAREN, M.A., B.C.L., Representative Fellow in Law.

JOHN R. DOUGALL, M.A., Representative Fellow in Arts.

WILLIAM H. KERR, Q.C., D.C.L., Dean of the Faculty of Law.

Rev. J. CLARKE MURRAY, LL.D., Elective Fellow, Faculty of Arts..

HENRY T. BOVEY, M.A., C.E., Dean of the Faculty of Applied Science.

BERNARD J. HARRINGTON, B.A., Ph.D., Elective Fellow, Fac. App. Science.

Rev. E. J. REXFORD, B.A., Representative Fellow in Arts.

ROBERT BELL, Grad. Civ. Eng., M.D., Representative Fellow in App. Science.

Rev. JOHN JENKINS, D.D., LL.D., Governors' Fellow.

Rev. J. F. STEVENSON, B.A., D.D., Chairman Protestant Board of School Commissioners.

Rev. CANON HENDERSON, M.A., Principal of the Montreal Diocesan Theological College.

Rev. GEORGE DOUGLAS LL.D., Principal of Wesleyan Theological College.

WILLIAM OSLER, M.D., Representative Fellow in Medicine.

CLEMENT H. McLEOD, Ma. E., Representative Fellow in Applied Science.

ROBERT M. SMITH, B. Sc., Principal of St. Francis College, Richmond.

J. S. ARCHIBALD, M.A., B.C.L., Elective Fellow, Faculty of Law.

GEORGE ROSS, M.A., M.D., Elective Fellow, Faculty of Medicine.

FRANCIS J. SHEPHERD, M.D., Representative Fellow in Medicine.

JOHN S. HALL, B.A., B.C.L., Representative Fellow in Law.

[The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University, which has the power, under the Statutes, to frame regulations touching Courses of Study, Matriculation, Graduation and other Educational matters ; and to grant Degrees.]

SECRETARY, REGISTRAR AND BURSAR :—

[And Secretary of the Royal Institution.]

WILLIAM CRAIG BAYNES, B.A., Residence and Office, East Wing, McGill College. Office hours 10 to 2.

JAMES W. BRAKENRIDGE, B.C.L., Clerk ; Residence, 39 Lorne Avenue.

OFFICERS OF INSTRUCTION :

JOHN WILLIAM DAWSON, M.A., LL.D., F.R.S., C.M.G.
Principal, Logan Professor of Geology and Professor of Natural History.   East Wing McGill College.

VEN. ARCHDEACON LEACH, M.A., D.C.L., LL.D.
Vice-Principal, Dean of the Faculty of Arts and Molson Professor of English Literature.   16 University Street.

HENRY ASPINWALL HOWE, LL.D.
Emeritus Professor of Mathematics and Natural Philosophy.   Outremont.

GEORGE W. CAMPBELL, M.A., M.D., LL.D.
Dean of the Faculty of Medicine and Emeritus Professor in the Faculty of Medicine.   707 Sherbrooke Street.

WILLAM E. SCOTT, M.D.
Professor of Anatomy.   109 Union Avenue.

WILLIAM WRIGHT, M.D.
Professor of Materia Medica and Pharmacy.   84 St. Famille Street.

ROBERT P. HOWARD, M.D.
Professor of the Theory and Practice of Medicine.   47 Union Avenue.

REV. A. DE SOLA, LL.D.
Professor of Hebrew and Oriental Literature.   73 McGill Col. Av.

HON. WILLIAM BADGLEY, D.C.L.
Emeritus Professor in the Faculty of Law.   64 McGill Col. Av.

HON. R. G. LAFLAMME, D.C.L.
Emeritus Professor in the Faculty of Law.   23 Berri Street.

CHARLES F. A. MARKGRAF, M.A.
Professor of German Language and Literature.   McGill Col. Library.

D. C. McCALLUM, M.D.
Professor of Midwifery and Diseases of Women and Children.   45 Union Avenue.

ALEXANDER JOHNSON, M.A., LL.D. [Trin. Col. Dublin].
Professor of Mathematics and Redpath Professor of Natural Philosophy, Vice-Dean of the Faculty of Arts.   70 McGill Col. Av.

REV. GEORGE CORNISH, M.A., LL.D.
Professor of Classical Literature.   177 Drummond Street.

PIERRE J. DAREY, M.A., B.C.L.
Professor of French Language and Literature.   39 McGill College Av.

ROBERT CRAIK, M.D.
Emeritus Professor in the Faculty of Medicine.   2 Phillips Square.

EDWARD CARTER, Q.C., D.C.L.
Emeritus Professor in the Faculty of Law.   31 Cadieux Street.

G. E. FENWICK, M.D.
Professor of Surgery.   1404 St. Catherine Street.

JOSEPH M. DRAKE, M.D.
Emeritus Professor in the Faculty of Medicine.   45 Beaver Hall Terrace.

N. W. TRENHOLME, M A., B.C.L.
Professor of Roman Law.   Olivier Street, Cote St Antoine.

J. S. C. WURTELE, B.C.L.
  Professor of Commercial Law. 416 St. Antoine Street.

WILLIAM H. KERR, D.C.L.
  Dean of the Faculty of Law, Professor of International Law. 387 Sherbrooke.

GILBERT P. GIRDWOOD, M.D.
  Professor of Chemistry. 28 Beaver Hall Terrace.

REV. J. CLARKE MURRAY, LL.D. [Glasgow].
  *Professor of Logic and John Frothingham Professor of Mental
    and Moral Philosophy.* 111 Mackay Street.

HON. H. F. RAINVILLE, LL.B. [Laval].
  Professor of Real Estate Law. 192 St. Hubert.

GEORGE ROSS, M.A., M.D.
  Professor of Clinical Medicine. 49 Union Avenue.

BERNARD J. HARRINGTON, B.A., Ph.D.
  Professor of Assaying and Mining, and Lecturer on Chemistry. Wallbrae Pl., Univ. St.

THOMAS G. RODDICK, M.D.
  Professor of Clinical Surgery. 44 Beaver Hall Terrace.

WILLIAM OSLER, M.D.
  Professor of Institutes of Medicine. 1351 St. Catherine Street.

WILLIAM GARDNER, M.D.
  Professor of Medical Jurisprudence. 551 St. Joseph Street.

HENRY T. BOVEY, M.A., A.M.I.C.E., M.I.M.E., Fellow Queen's Coll.
  Cambridge.
  *Dean of the Faculty of Applied Science, Professor of Civil
    Engineering and Applied Mechanics.* 31 McTavish Street.

CHARLES E. MOYSE, B.A. [London].
  *Professor of History and Associate Professor of English Lan-
    guage and Literature.* 265 University Street.

JOHN S. ARCHIBALD, M.A., B.C.L.
  Professor of Criminal and Constitutional Law. 113 Mackay Street.

EDMOND LAREAU, B.C.L.
  Professor of Legal History. 156 St. Denis Street.

MATTHEW HUTCHINSON, B.C.L.
  Associate Professor of Civil Procedure. Olivier Street, Cote St. Antoine.

J. EMERY ROBIDOUX, B.C.L.
  Associate Professor of Real Estate Law. 35 St. Hubert Street.

C. H. MCLEOD, Ma.E.
  *Professor of Descriptive Geometry and Superintendent of Mete-
    orological Observatory.* Observatory McGill College.

FRANCIS J. SHEPHERD, M.D.
  Demonstrator of Anatomy. 85 Mansfield Street.

FRANK BULLER, M.D.
  Lecturer on Diseases of the Eye and Ear. 1351 St. Catherine Street.

GEORGE H. CHANDLER, M.A.
  Lecturer in Mathematics, Faculty of Applied Science. 32 Lorne Avenue.

LEWIS A. HART, M.A., B.C.L.
  *Lecturer on the Theory and Practice of Notarial Deeds and
    Proceedings.*

JOHN ANDREW,
  Instructor in Elocution. 64 Roy Street.

FREDERICK S. BARNJUM,
  Instructor in Gymnastics. 90 University Street.

General Statement.

SESSION OF 1881-82.

The Forty-ninth Session of the University, being the Twenty-ninth under the amended charter, will commence in the Autumn of 1881.

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 religious views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the several 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 ; all which subjects are imperative in the first two years of the Course; but in the third and fourth years options are allowed in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, and English Literature. 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 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 leads to the Degree of M.D., C.M. There is also a Summer Course, which is optional.

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 Robert M. Smith, B, Sc., Principal, 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.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal.*

THE PRESBYTERIAN COLLEGE OF MONTREAL, in connection with the Canada Presbyterian Church.

THE DIOCESAN COLLEGE OF MONTREAL.

THE WESLEYAN COLLEGE OF MONTREAL.

IV. AFFILIATED SCHOOLS.

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.

THE MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL are Elementary Schools, divided into a Boys' Department, Girls' Department, and Primary School.

COLLEGIATE INSTITUTES, ACADEMIES, and HIGH SCHOOLS may be affiliated in so far as regards Matriculation in Arts and Applied Science, under regulations which will be found on a subsequent page.

[Details of all the above will be found in the Annual Calendar of the University and in Announcements of the special Colleges, Faculties and Schools, which may be had on application to the Registrar of the University or the Principals or Secretaries of the several Colleges, &c.]

BENEFACTORS OF

McGill University, Montreal.

I. ORIGINAL ENDOWMENT, 1811.

THE HONOURABLE 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 Museum Rooms, and the Chemical Laboratory 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.

III. ENDOWED CHAIRS.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, by the Honourable John Molson, Thomas Molson, Esq., and William Molson, Esq., —$20,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, by Peter Redpath, Esq.,—$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, by Sir W. E. Logan, LL.D., F.R.S., and Hart Logan, Esq.,—$20,000.

THE JOHN FROTHINGHAM CHAIR FOR MENTAL AND MORAL PHILOSOPHY, in 1873, by Miss Louisa Frothingham.—$20,000.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, endowed by the last will of the late Miss Barbara Scott, of Montreal $30,000, amount not yet received, 1st May, 1881.

IV. EXHIBITIONS AND SCHOLARSHIPS IN ARTS.

THE JANE REDPATH EXHIBITION, $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—founded in 1871, by William C. McDonald, Esq.—Annual value, $1250.

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THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871, by Charles Alexander, Esq.—Annual value, $120.

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq. Annual value, $100—terminated in 1878.

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.

THE BARBARA SCOTT SCHOLARSHIP OF CLASSICAL LANGUAGES AND LITERATURE,—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2000, amount not yet received, 1st May, 1881.

THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine ; founded in 1881, value $100.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts, for the term of four years, value $125.

V. 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 Edmund 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. Antoine 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.

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 a 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.

VI. SUBSCRIPTIONS TO THE 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 Paton, 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
John Smith, Esq..............	1000	Robert Campbell, Esq........	600
Harrison Stephens, Esq........	1000	Alfred Savage, Esq...........	600
Henry Chapman, Esq..........	600	James Ferrier, Jr., Esq........	600
Honourable Peter McGill......	600	William Stephens, Esq........	600
John James Day, Esq..........	600	N. S. Whitney, Esq...........	600
Thomas Brown Anderson, Esq.	600	William Dow, Esq............	600
Peter Redpath, Esq...........	600	William Watson, Esq.........	600
Thomas M. Taylor, Esq.......	600	Edward Major...............	600
Joseph McKay, Esq...........	600	Honorable Charles Dewey Day.	200
Donald Lorn McDougall, Esq..	600	John R. Esdaile, Esq.........	
Honourable Sir John Rose.....	600		

1871.

William Molson, Esq	$5000	T. W. Ritchie, Esq............	$600
William C. McDonald, Esq....	5000	A. & W. Robertson, Esqs.....	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.........	2000	Wm. Lunn, Esq..............	100
John McLennan, Esq..........	1000	Kenneth Campbell, Esq.......	100
B. Gibb, Esq.................	600	R. A. Ramsay, Esq...........	100
W. Notman, Esq	600	William Rose, Esq............	50

VII. ENDOWMENT FOR FACULTY OF APPLIED SCIENCE.

1871.

Daniel Torrance, Esq...	$5000
George Moffatt, Esq...	1000
Charles J. Brydges, Esq...	1000
Robert J. Reekie, Esq...	1000

VIII. ANNUAL SUBSCRIPTIONS IN AID OF THE FACULTY OF APPLIED SCIENCE.

1871.

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, 6 years)....................	100
Donald Ross, Esq., (per annum, for 5 years).....................	50

1878-9.

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

IX. SUBSCRIPTIONS FOR SPECIAL OBJECTS.

Subscriptions 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		$2,050
Andrew Robertson, Esq.......	100		

Subscriptions for the erection of a fire-proof Building for the Carpenter Collection of Shells, 1868.

Peter Redpath, Esq...........	$500	Wm. Dow, Esq...............	$100
William Molson, Esq.........	500	Thomas Rimmer, Esq.........	100
Harrison Stephens, 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	Honourable John Rose........	50
John Molson, Esq.............	100		
Thos. Workman, Esq., M.P....	100		$2,180
Geo. H. Frothingham, Esq.....	100		

Subscriptions 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. Brydges, Esq.......	100	J. Evans, Esq................	100
George Drummond, Esq.......	100	Henry Lyman, Esq...........	100
Thomas Rimmer, Esq.........	100		
William Dow, Esq	100		
John Frothingham, Esq........	100		$2,100

Subscriptions for the internal 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
Wm. 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		

Library and Museum Funds.

Wm. Molson, Esq., for Library Fund	$4000	Hon. F. W. Torrance, Mental and Moral Philosophy Book Fund	$1000
Wm. Molson, Esq., for Museum Fund	2000		

Subscriptions for Library, Museum and Apparatus.

Mrs. G. H. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan Shells.....	$233	T. J. Claxton, Esq., £50 sterling for additions to the Museum......	$250
		John Thorburn, M.A., for the Library............	$90

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
George 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 Instruments, the gift of Charles T. Blackman, Esquire, of Montreal, and called after his name.................

Subscriptions 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. McCallum	100	Dr. Gardner	50
Dr. Drake...................	100	Dr. Osler....	50
Dr. Godfrey..................	100		
Dr. McEachran, F.R.C.V.S....	100		$ 950

Hon. C. Dunkin, M.P., in aid of the chair of Practical Chemistry $1,200

Principal Dawson, in aid of the same........................$1,200

R. Redpath, Esq., do do $226

T. M. Thompson, Esq., $250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872............. $450

Rev. Colin C. Stewart, for the "Stewart Prize in Hebrew.". $60
Terminated in 1875.

R. A. Ramsay, M.A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill. $150 00

X. 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.

XI. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books—presented by Peter Redpath, Esq., of Montreal, 2198 Volumes.

2. The Robson Collection of works in Archæology 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, 2692 Volumes.

XII. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium—presented by the late Andrew F. Holmes, M.D.

2. The Carpenter Collection 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.

(See also "List of Donations to the Library and Museum," printed annually in the calendar.)

LIST OF SUBSCRIPTIONS TO THE FUND OF THE GRADUATES SOCIETY, FOR THE 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, 1881).

(alphabetically arranged.)

O'Hara Baynes, B.C.L	$ 50	in 2 Annual Instalments.
M. B. Bethune, M.A., B.C.L	50	Cash
Alex. D. Blackader, B.A., M.D	50	in 5 "
A. A. Browne, B.A., M.D	50	in 5 "
J. D. Cline, B.A., M.D	25	Cash.
Lemuel Cushing, LL.D., B.C.L	25	"
J. R. Dougall, M.A	50	in 5 "
R. W. Ells, M.A	50	in 5 "
Rev. J. Empson, M.A.	25	Cash.
Wm. Gardner, M.D	100	in 4 "
Charles Gibb, B.A	50	in 2 "
F. E. Gilman, LL.D., B.C.L	100	Cash.
C. H. Gould, B.A	100	in 5 "
J. S. Hall, B.A., B.C.L	50	in 2 "
Rev. W. Hall, M.A	10	Cash.
B. J. Harrington, B.A., Ph.D	50	in 2 "
F. W. Hicks, M.A	50	in 2 "
Edward Holton, B.C.L	100	in one sum.
M. Hutchinson, B.C.L	5	Cash.
F. J. Keller, B.C.L	25	Cash
F. W. Kelley, M.A., Ph.D	100	in 4 "
Rev. R. Laing, M.A	100	in 4 "
F. S. Lyman, B.A., B.C.L	50	in 2 "
H H. Lyman, M.A	100	in 5 "
Wm. Molson, M.D	100	in 5 "
Fred. MacKenzie, B.C.L	100	in one sum.
J. J. MacLaren, M.A , B.C.L	100	in 4 "
D. R. McCord, M.A., B.C.L	100	in 4 "
James McGregor, LL.D	80	in 4 "
C. H. MacLeod, Ma.E	50	in 5 "
D. MacMaster, B.C.L	100	in 4 "
Wm. Osler, M.D	100	in 4 "
R. A. Ramsay, M.A., B.C.L	100	Cash.
Rev. E. I. Rexford, B.A	50	in 5 "
Alex. Robertson, B.A	100	in 4 "
S. P Robins, LL.D	50	Cash.
T. G. Roddick, M.D	100	in 5 "
George Ross, M.A., M.D	100	in 4 "
F J. Shepherd, M.D	100	in 5 "
J. F. Torrance, B.A., B. App. Sci	100	in 5 "
N. W. Trenholme, M.A., B.C.L	100	in 4 "

Total to date..................$2,895

ACADEMICAL YEAR 1881-82.

SEPTEMBER, 1881.

1	Thursday	Normal School opens.
2	Friday	
3	Saturday	
4	SUNDAY	
5	Monday	
6	Tuesday	
7	Wednesday	Meeting of Norm. Sch'l Committee.
8	Thursday	
9	Friday	
10	Saturday	Meeting of Faculty of Law.
11	SUNDAY	
12	Monday	
13	Tuesday	
14	Wednesday	
15	Thursday	Meetings Fac. Arts & App. Science. Mat. and Supp. Exn's in Classics. Exhib. and Scholarship Examin.
16	Friday	Mat. & Supp. Exn's in Mathematics.
17	Saturday	Exhibition and Scholarship Exn's.
18	SUNDAY	
19	Monday	Mat. & Supp Exn's in English, Logic, Men. & Mor. Phil. Exh. & Sch. Ex
20	Tuesday	Mat. and Supp. Ex'ns in Modern Languages and Natural Science. Exhibition and Scholarship Ex'ns.
21	Wednesday	Lect. in Arts & App. Science begin.
22	Thursday	Meeting of Faculty of Arts.
23	Friday	
24	Saturday	Meeting of Governors.
25	SUNDAY	
26	Monday	
27	Tuesday	Summer Essays in App. Sci. given in.
28	Wednesday	
29	Thursday	Examination for Scott Exhibition.
30	Friday	

OCTOBER, 1881.

1	Saturday	Session of Med. Fac. begins. Matriculation Examin in Medicine. Meeting of Faculty of Law.
2	SUNDAY	
3	Monday	Meeting of Faculty of Arts.
4	Tuesday	Session of Law Fac. begins.
5	Wednesday	Meeting of Norm. Sch'l Committee.
6	Thursday	Founder's Birthday.
7	Friday	
8	Saturday	The William Molson Hall open., 1862.
9	SUNDAY	
10	Monday	
11	Tuesday	
12	Wednesday	
13	Thursday	Meeting of Fac. of Applied Science.
14	Friday	
15	Saturday	
16	SUNDAY	
17	Monday	Meeting of Faculty of Arts.
18	Tuesday	
19	Wednesday	
20	Thursday	
21	Friday	
22	Saturday	Meeting of Governors.
23	SUNDAY	
24	Monday	
25	Tuesday	
26	Wednesday	Regular Meeting of Corporation. School Examiners appointed. Reports on Scholarships & Exhib. Accounts audited.
27	Thursday	
28	Friday	
29	Saturday	
30	SUNDAY	
31	Monday	Meeting of Faculty of Arts.

NOVEMBER, 1881.

1	Tuesday	
2	Wednesday	Meeting of Nor. School Committee.
3	Thursday	
4	Friday	
5	Saturday	Meeting of Faculty of Law.
6	SUNDAY	
7	Monday	
8	Tuesday	
9	Wednesday	
10	Thursday	Meeting of Faculty App. Science.
11	Friday	
12	Saturday	
13	SUNDAY	
14	Monday	Meeting of Faculty of Arts.
15	Tuesday	
16	Wednesday	Annual University Lecture.
17	Thursday	
18	Friday	
19	Saturday	
20	SUNDAY	
21	Monday	
22	Tuesday	
23	Wednesday	
24	Thursday	
25	Friday	
26	Saturday	Meeting of Governors.
27	SUNDAY	
28	Monday	Meeting of Faculty of Arts.
29	Tuesday	
30	Wednesday	

DECEMBER, 1881.

1	Thursday	
2	Friday	
3	Saturday	Meeting of Faculty of Law.
4	SUNDAY	
5	Monday	
6	Tuesday	
7	Wednesday	Meeting of Nor. School Committee.
8	Thursday	Meeting of Fac. of App. Science.
9	Friday	Lectures in Arts end.
10	Saturday	
11	SUNDAY	
12	Monday	Christmas Examinations begin.
13	Tuesday	
14	Wednesday	
15	Thursday	
16	Friday	Lectures in App. Science end.
17	Saturday	
18	SUNDAY	
19	Monday	
20	Tuesday	
21	Wednesday	
22	Thursday	Christmas Vacation begins.
23	Friday	
24	Saturday	Meeting of Governors.
25	SUNDAY	Christmas-Day.
26	Monday	
27	Tuesday	
28	Wednesday	
29	Thursday	
30	Friday	
31	Saturday	

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23	Thursday
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26	SUNDAY
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JANUARY, 1882.

1	SUNDAY	
2	Monday	
3	Tuesday	
4	Wednesday	Meeting of Nor. Sch'l Committee. Chrismas Vacation ends.
5	Thursday	Meeting Fac. Arts ; Lec. in Arts, Law, Med. & App. Science re-commence.
6	Friday	
7	Saturday	Meeting of Faculty of Law.
15	SUNDAY	
9	Monday	Meeting of Faculty of Arts.
10	Tuesday	
11	Wednesday	Meeting of Fac. of Applied Science.
12	Thursday	
13	Friday	
14	Saturday	
22	SUNDAY	
16	Monday	
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	
21	Saturday	
8	SUNDAY	
23	Monday	Meeting of Faculty of Arts.
24	Tuesday	
25	Wednesday	Regular Meeting of Corporation. Examiner sappointed. Annual Report to Visitor.
26	Thursday	
27	Friday	Theses for M.A. & L.L.D. to be sent in to the Dean.
28	Saturday	Meeting of Governors.
29	SUNDAY	
30	Monday	
31	Tuesday	

MARCH, 1882.

1	Wednesday	Theses for Degree of B.C.L. to be sent in to Dean of Faculty. Meet'g of Norm. Sch'l Committee.
2	Thursday	
3	Friday	
4	Saturday	Meeting of Faculty of Law.
5	SUNDAY	
6	Monday	Meeting of Faculty of Arts.
7	Tuesday	
8	Wednesday	
9	Thursday	Examinations in Law. Meeting of Faculty of Applied Science.
10	Friday	Examinations in Law.
11	Saturday	
12	SUNDAY	
13	Monday	Examinations in Law.
14	Tuesday	Examinations in Law.
15	Wednesday	Examinations in Law.
16	Thursday	Examinations in Law.
17	Friday	Examinations in Law. Lectures in Medicine end.
18	Saturday	Exam. in Botany, Med. Faculty.
19	SUNDAY	
20	Monday	Meeting of Faculty of Arts.
21	Tuesday	Primary Examinations in Med.
22	Wednesday	Primary Examinations in Med.
23	Thursday	
24	Friday	Final Examinations in Medicine.
25	Saturday	Final Examinations in Medicine. Meeting of Governors.
26	SUNDAY	
27	Monday	Meeting of Faculty of Arts. Reports of Attendance on Lectures.
28	Tuesday	
29	Wednesday	
30	Thursday	Lect. in Arts and App. Science end.
31	Friday	Convoc. for Degrees in Law & Med.

FEBRUARY, 1882.

1	Wednesday	
2	Thursday	
3	Friday	
4	Saturday	Thses for Degree of D.C.L. to be sent in to Dean of Fac. of Law.
5	SUNDAY	Meeting of Nor. School Committee
6	Monday	Meeting of Examiners.
7	Tuesday	
8	Wednesday	Meeting of Faculty of Law.
9	Thursday	
10	Friday	
11	Saturday	Meeting of Faculty of Arts.
12	SUNDAY	
13	Monday	Meeting of Fc. of Applied Science.
14	Tuesday	
15	Wednesday	
16	Thursday	Supplemental Examinations.
17	Friday	
18	Saturday	
19	SUNDAY	
20	Monday	Meeting of Faculty of Arts.
21	Tuesday	No lectures.
22	Wednesday	
23	Thursday	
24	Friday	Meeting of Governors.
25	Saturday	
26	SUNDAY	
27	Monday	
28	Tuesday	

APRIL, 1882.

1	Saturday	
2	SUNDAY	
3	Monday	Meeting of Faculty of Arts. B. A. Honour Examinations begin.
4	Tuesday	Ordinary Examination in Arts and Applied Science begin.
5	Wednesday	Meet'g of Norm. Sch'l Committee.
6	Thursday	
7	Friday	Good-Friday. Easter Vaca. begins.
8	Saturday	
9	SUNDAY	Easter-Day.
10	Monday	Easter Vacation ends.
11	Tuesday	
12	Wednesday	Meeting of Fac. of Applied Science.
13	Thursday	
14	Friday	
15	Saturday	
16	SUNDAY	
17	Monday	
18	Tuesday	
19	Wednesday	Meeting of Fac. of Arts. Meeting of Examiners.
20	Thursday	
21	Friday	Meeting of Governors.
22	Saturday	
23	SUNDAY	
24	Monday	
25	Tuesday	Regular Meeting of Corporation.
26	Wednesday	
27	Thursday	
28	Friday	Adjourned Meet'g of Corporation. Meet'g of Examin's. Declaration of Results of Examinations.
29	Saturday	
30	SUNDAY	

		MAY, 1882.			JULY, 1882.
1	Monday		1	Saturday	
2	Tuesday	Convocation for Degrees in Arts & Appl. Science.			
3	Wednesday	Normal School Committee.	2	SUNDAY	
4	Thursday		3	Monday	
5	Friday		4	Tuesday	
6	Saturday		5	Wednesday	
			6	Thursday	
7	SUNDAY		7	Friday	
8	Monday		8	Saturday	
9	Tuesday		9	SUNDAY	
10	Wednesday		10	Monday	
11	Thursday		11	Tuesday	
12	Friday		12	Wednesday	
13	Saturday		13	Thursday	
			14	Friday	
14	SUNDAY		15	Saturday	
15	Monday				
16	Tuesday		16	SUNDAY	
17	Wednesday	Meeting Examiners for School Examinations.	17	Monday	
			18	Tuesday	
18	Thursday		19	Wednesday	
19	Friday		20	Thursday	
20	Saturday		21	Friday	
			22	Saturday	
21	SUNDAY				
22	Monday		23	SUNDAY	
23	Tuesday		24	Monday	
24	Wednesday	Queen's Birth-Day.	25	Tuesday	
25	Thursday		26	Wednesday	
26	Friday		27	Thursday	
27	Saturday	Meeting of Governors.	28	Friday	
			29	Saturday	
28	SUNDAY	Whit-Sunday.			
29	Monday		30	SUNDAY	
30	Tuesday		31	Monday	
31	Wednesday				

		JUNE, 1882.			AUGUST, 1882.
1	Thursday	Exams. in Normal Schoo begin. Examinations for Certificate of Associate in Arts begin.	1	Tuesday	
			2	Wednesday	
			3	Thursday	
2	Friday		4	Friday	
3	Saturday		5	Saturday	
4	SUNDAY		6	SUNDAY	
5	Monday		7	Monday	
6	Tuesday		8	Tuesday	
7	Wednesday	Normal School Committee.	9	Wednesday	
8	Thursday		10	Thursday	
9	Friday		11	Friday	
10	Saturday		12	Saturday	
11	SUNDAY		13	SUNDAY	
12	Monday		14	Monday	
13	Tuesday		15	Tuesday	
14	Wednesday		16	Wednesday	
15	Thursday		17	Thursday	
16	Friday	Declaration of results of School Examinations.	18	Friday	
17	Saturday		19	Saturday	
18	SUNDAY		20	SUNDAY	
19	Monday		21	Monday	
20	Tuesday		22	Tuesday	
21	Wednesday		23	Wednesday	
22	Thursday		24	Thursday	
23	Friday		25	Friday	
24	Saturday	Meeting of Governors.	26	Saturday	
25	SUNDAY		27	SUNDAY	
26	Monday		28	Monday	
27	Tuesday		29	Tuesday	
28	Wednesday	Regular Meeting of Corporation. Report of Normal School.	30	Wednesday	
29	Thursday		31	Thursday	
30	Friday	Normal School closes for Summer Vacation.			

EXAMINATIONS.—1881–82.

Faculty of Arts.

CHRISTMAS, 1881.

Dec.	DAYS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
12	Mon.	Greek.	Greek.	Math. Physics.	Math. Physics.
13	Tues.	Latin.	Latin.	Moral Philosophy.	
14	Wed.		Botany.	English.	Metaphysics.
15	Thur.	Mathematics.	French. P. M.	Exp. Physics.	Exp. Physics.
16	Frid.	English.	Logic.	Greek.	English.
19	Mon.	Chemistry.	Mathemathics.	Latin.	Geology.
20	Tues.	French,	English & German.	Zoology.	German.
21	Wed.	German & Hebrew	Hebrew.	{ French, German & Hebrew.	French & Hebrew.

SESSIONAL AND HONOUR EXAMINATIONS, 1882.

Apr.	DAYS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
3	Mon.			B. A. Honour Ex.	
4	Tues.	Greek.	Greek.	Math. Physics.	Metaphysics.
5	Wed.	Latin.	Latin.	Math. Physics.	Metaphysics.
6	Thur.	{ Greek & Roman History.	Latin Prose Com.	Exp. Physics.	Exp. Physics.
12	Wed.	Chemistry.	English.	Moral Philosophy.	English.
13	Thur.				B. A. Honour Ex.
14	Frid.	English.	Mathematics.	Greek.	Math. Physics.
17	Mon.		Mathematics.	Latin.	Math. Physics.
18	Tues.	French & Hebrew.	French & Hebrew.	Latin Prose Comp.	Geology.
19	Wed.	German.	German.	Zoology.	Greek.
20	Thur.	Mathematics.	Botany.	French.	Latin.
21	Frid.	Mathematics.	Logic.	English.	History.
24	Mon.			German & Hebrew.	{ French, German, Hebrew and B. A. Honour Ex.
25	Tues.	Honour Exam's.	Honour Exam's.	Honour Exam's.	B. A. Honour Ex.
27	Thur.	Honour Exam's.	Honour Exam's.	Honour Exam's.	B. A. Honour Ex.

All Examinations begin at 9 a. m., and 2 p. m., unless otherwise specified.
The Examinations are generally limited to the morning.

EXAMINATIONS.—1881–82.

Faculty of Applied Science.

CHRISTMAS, 1881.

Dec.	Days.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
— 15	Thursday,	Mathematics.	Exp. Physics. French [p. m.]	Exp. Physics.	Mathematics.
— 16	Friday,	English.			
— 19	Saturday,	Chemistry.	Chemistry.	Geology.	
— 20	Monday,	French.	Zoology. German [p. m.]	French.	Materials.
— 21	Tuesday,	German.		German.	

SESSIONAL, 1882.

April	Days.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
— 3	Monday,	Drawing.	Drawing.	Drawing.	Mineralogy [Advanced.]
— 4	Tuesday,		Essay.	Essay.	Essay.
— 5	Wednesday,			Applied Mechanics	Applied Mechanics
— 6	Thursday,		Exp. Physics.	Exp. Physics.	
— 10	Monday,		Materials.	Materials.	
— 11	Tuesday,	Mathematics.	Mathematics.	Mathematics.	
— 12	Wednesday,	Chemistry.			Construction. Metallurgy.
— 13	Thursday,		Surveying. Mechanical Work.	Surveying, Mining. Mechanical Work.	
— 14	Friday,	English.	English.		Steam.
— 15	Saturday,			Mineralogy, [Advanced.]	
— 17	Monday,		Mechanism.	Mach. & Millwork.	Hydraulics.
— 18	Tuesday,	French.	French.	Geology. Mineralogy.	
— 19	Wednesday,	German.	Zoology. German [p. m.]		
— 20	Thursday,		Botany.	Applied Mechanics	Applied Mechanics
— 22	Saturday,	Mathematics.*	Mathematics.	Mathematics.	
— 24	Monday,			German.	Applied Mechanics [Advanced.]
— 25	Tuesday,		Prac. Chemistry.	Prac. Chemistry. Assaying.	Assaying.
— 26	Wednesday,			Prac. Hydraulics.	Prac. Hydraulics.
— 27	Thursday,			Mathematics.	
— 28	Friday,			Applied Mechanics [Advanced.]	Applied Mechanics [Advanced.]

Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors :—LEACH.   Professors :—CORNISH.
            DE SOLA.   DAREY.
            DAWSON.   MURRAY.
            MARKGRAF.   HARRINGTON.
            JOHNSON.   MOYSE.

Dean of the Faculty :—Ven. ARCHDEACON LEACH, D.C.L., LL.D.
Vice-Dean :—ALEXANDER JOHNSON, LL.D.
Librarian :—Professor MARKGRAF, M.A.

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

The next Session of this Faculty will commence on September 15th, 1881, and will extend to May 2nd, 1882.

§ I. 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 appointed for their several years, under the Regulations as to attendance and conduct stated in § VIII; the only exceptions are those in favour of Honour and Professional Students, stated in § V.

ORDINARY COURSE FOR THE DEGREE OF B.A.

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

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

Third Year.—Classics ; Rhetoric ; Moral Philosophy ; Mixed Mathematics ; Experimental Physics ; Zoology.

Fourth Year.—Classics ; English Literature ; History ; Mental Philosophy ; Mixed Mathematics ; Experimental Physics ; Mineralogy and Geology.

[* NOTE.—For University Examinations ; Lectures Optional.]

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.

The Faculty may permit any Student to take Spanish instead of French or German.

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 § XI.]

1. *Classical Languages and Literature.*
2. *Mathematics and Physics.*
3. *Logic and Mental and Moral Philosophy.*
4. *English Language, Literature, and History.*
5. *Geology and other Natural Sciences.*

Students taking B.A. Honours in any of the above Courses may omit two of the ordinary subjects in the Degree Examination, under the conditions stated in § V., *II.*

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

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§ II. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation as Undergraduates are required to present themselves to the Dean of the Faculty, on the 15th of September, for examination ; they may, however, enter after the commencement of the Session, if, on examination, found qualified to join the classes.

The subjects of examination for entrance into the First Year are Classics, Mathematics and English.

In Classics.—*Greek.*—Xenophon, Anabasis, Book I. ; or, Homer, Iliad, Book I. ; Greek Grammar.

Latin.—Cicero, Orations I. and II. against Catiline ; or, Virgil, Æneid, Book I. ; Latin Grammar.

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

In English.—Writing from Dictation. A paper on English Grammar *including Analysis*. A paper on the leading events of English History.

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

2. Candidates not matriculated in the University, or Partial Students of the First Year, may be admitted to the standing of students of the Second Year, provided that they pass the Sessional Examinations of the First Year, or an examination in the following subjects at the beginning of the Second Year :—

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

Latin.—Virgil, Æneid, Book VI.; Cicero, Orations IV. 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 either First or Second Year.]

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, British History (Collier).

In French.—De Fivas, Grammaire des Grammaires as far as Syntax; or (instead of French) *German*—in which knowledge sufficient to enable the Candidate to join the regular class will be required.

In Chemistry.—The Chemistry of the non-metallic elements, or 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.]

3. Students of other Universities may be admitted, on the production of Certificates, to a like standing in this University, after examination by the Faculty.

4. PARTIAL STUDENTS.—Candidates for Matriculation as Partial Students, taking three or more Courses of Lectures, or as Students in any Special Course, will be examined in the subjects necessary thereto, as may from time to time be determined by the Faculty.

5. OCCASIONAL STUDENTS.—Persons desirous of taking one or two Courses of Lectures, as Occasional Students, may apply to the Vice-Dean for entry in his Register, and may procure from the Secretary tickets for the Lectures they desire to attend.

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 shall be placed, who will thereupon be invited to place himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavour to establish befitting relations.

§ III. 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.

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.

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 Examination, 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, 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 answers 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.

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There are at present twelve Scholarships and Exhibitions.

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank Montreal :—value, $100 yearly.

THE McDONALD SCHOLARSHIPS AND EXHIBITIONS, ten in number, established 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.

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EXHIBITIONS AND SCHOLARSHIPS TO BE OFFERED IN SEPTEMBER, 1881.

To Students entering the First Year:—*Two Exhibitions of* $125, *One of* $100. *Subjects of Examination :—*

Greek.—Homer, Iliad, bk. IV. ; Xenophon, Anabasis, bk. V. ; Demosthenes, Philippic I.

Latin.—Cicero, In Catilinam, Oratt. III. and IV. ; Horace, Odes, bk. I. ; Ovid, Fasti, bk. I., vss. 1-300.

Latin Prose Composition.

A paper on Greek and Latin Grammar.

Text-Books.—Hadley's Elements of Greek Grammar. Arnold's Greek Prose Composition, Exercises 1 to 25. Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV.

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

English.—English Grammar and Composition.—(Bain's Grammar as far as Derivation.) Special exercises in Grammar and Composition.

The First Year Exhibitions will be awarded to the best answerers in the above course, provided there be absolute merit. But in distributing the Exhibitions of higher value among the successful candidates, answering in the following subjects will be taken into account also, in 1882 and subsequent years :

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 Shakespeare's plays :—1882—Julius Cæsar.

To Students entering the Second Year :—Three Exhibitions of $125.
Subjects of Examination :—
Greek.—Homer, Odyssey, bk. XI. ; Xenophon, Hellenics, bk. II. ; Herodotus, bk. VI., Chaps. 71 to end of Book.

Latin.—Virgil, Æneid, bk. VI. ; Horace, Odes, bk. III. ; Livy, bk. IX., Chap. 23 to end ; Cicero, Select Letters (Pritchard and Bernard).

Greek and Latin Prose Composition.

A paper on Grammar and History.

Text-Books.—Dr. William Smith's History of Greece. Liddell's History of Rome. Hadley's Greek Grammar. Smith's Student's Latin Grammar. Arnold's Greek Prose Composition. Smith's Principia Latina, Parts IV. and V.

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

English Literature.—Bain's Grammar ; Special exercises in Grammar and Composition.

Chemistry.—The Metallic Elements as in Wilson's Elementary Chemistry.

French.—De Fivas, Grammaire de Grammaires, to paragraph No. 422. Lafontaine, les Fables, livres III and IV. Molière, le Bourgeois gentilhomme.

To Students entering the Third Year : Two Scholarships of $125 and one of $120; tenable for Two Years.

Two of these will be given on Examinations in Science as follows :—One in Mathematics and Logic, and one in Natural Science and Logic :—

1. *Mathematics.*—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 9 ; Chap. 12, Arts. 168–193 inclusive ; Chap. 17, Arts. 225–243 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, Chaps. 1–14 inclusive). Hind's Plane and Spherical Trigonometry. Salmon's Modern Higher Algebra (first six chapters). Todhunter's Theory of Equations.

   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 orders of Phænogams and Acrogens. *Chemistry*, as in Wilson's Elements.

   Logic, as in Jevons' Elementary Lessons on Logic.

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

Classics.—*Greek.*—Euripides, Medea ; Demosthenes, the Olynthiacs ; 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 Greece ; Liddell's Rome.

English Language and Literature.—Spalding's English Literature ; Shakespeare, Julius Cæsar ; Trench, Study of Words ; Trench, English, Past and Present.

English Composition.—(High marks will be given for this subject, in order to encourage the practice of it, after the models of the best writers.)

French.—Racine, Britannicus ; Molière, les Femmes savantes. De Fivas' Grammaire des Grammaires. Les Ecrivains célèbres de la France :— Bonnefon. Translation from English into French.

Classical Subjects for Exhibitions, September, 1882.

GREEK.—*First Year.*

   Homer, Iliad, bk. VI. ; Xenophon, Anabasis, bk. I. ; Demosthenes against Aphobus I. and II.

LATIN.—*First Year.*

   Cicero, Pro Archiâ ; Horace, Odes, bk. I. ; Virgil, Æneid, bk. II.

GREEK.—*Second Year.*

> Homer, Odyssey, bk. XII.; Xenophon, Hellenics, bk. II.; Herodotus,
> bk. VII. Chaps. 148 to end of book.

LATIN.—*Second Year.*

> Virgil, Æneid, bk. VII.; Horace, Odes, bk. III.; Livy, bk. XXI.
> Chaps. 1-29; Cicero, Select Letters (Pritchard and Bernard).

English Subjects for Exhibitions &c, September, 1882.

First Year.—English Grammar and Composition. (Bain's Grammar as far as
Derivation). Shakespeare, *Julius Cæsar.*

Second Year.—Bain's Grammar.—Shakespeare, *As You Like It.* Trench, *Study
of Words.*

Third Year.—Spalding's English Literature, (cap. VI. to end of book). Shakes-
peare, *Tempest.* Milton, *Paradise Lost,* books I. and II. Trench, *Study
of Words.*

EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLAR-
SHIPS, &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. Six-
teen 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
candidates. 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, 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 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.

An Exemption from fees may be given annually to any teacher holding the
Model School or Academy Diploma of the McGill Normal School, recommended
by the Principal and Professors of the School, and passing creditably the Matricu-
lation Examination in Arts.

§ IV. EXAMINATIONS.

COLLEGE EXAMINATIONS.

1. There are two Examinations in each year; one at Christmas and the other at the end of the Session. In each of these, 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.

Fourth Year Students are required at] the Christmas Examinations to pass in all the subjects of the obligatory lectures, even though some of the subjects do not form part of their B.A. Examination.

2. Students who fail in any subject in the Christmas Examinations are required to pass a Supplemental Examination in that subject before admission to the Sessional Examinations.

3. Students who fail in one subject in the Sessional Examinations 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 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. The time for the Supplemental Examination will be fixed by the Faculty; and such Examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

UNIVERSITY EXAMINATIONS.

I. FOR THE DEGREE OF B.A.

There are three University Examinations:—The *Matriculation*, at entrance; the *Intermediate*, 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 11.

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 1882 are as follows :—

Classics.—Greek.—Lysias.—Contra Eratosthenem.

  Latin.—Tacitus.—Germania.

  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, pp. 1–182.

English.—An English Essay. Spalding's History of English Literature. A paper on the essentials of British History (Collier).

 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.*—Molière :—Le Malade imaginaire, l'Avare. Racine :—Britannicus. Les Ecrivains célèbres de la France :—Bonnefon. Translation into French.

3. *German.*—Schmidt's German Guide ; Adler's Reader ; Translation into German.

4. *Hebrew.*—Grammar to the end of the Irregular verbs. Translation from the Book of Genesis, first three chapters. Exercises :—Hebrew into English, and English into Hebrew.

3. For the Final Examination six subjects are offered for selection ; namely :—[1] Classics, [2] Mixed Mathematics, [3] Mental and Moral Philosophy, [4] Natural Science, [5] Experimental Physics, [6] One Modern Language and Literature (or Hebrew), with History. Every candidate must pass in four of these, namely :—Classics and Mixed Mathematics, which are obligatory, and any two of the remaining subjects, at his option. The subjects for 1882 are as follows :—

1. *Classics.*—Greek.—Herodotus.—Book IX.

    Sophocles.—Electra.

   Latin—Tacitus.—Histories, Book I.

    Juvenal.--Satires VIII and IX.

   Latin Prose Composition.

   General Paper in Grammar and History.

2. *Mathematics.*—Mechanics.
Hydrostatics. } As treated in Galbraith and Haughton's
Optics. } Manuals.
Astronomy. }

[Except in the case of Exemptions to Professional Students, as stated in § V.]

3. *Mental and Moral Philosophy.*—Murray's Outline of Hamilton's Philosophy; Calderwood's Handbook of Moral Philosophy.

4. *Natural Science.*—Geology and Mineralogy, as in Dana's Geology and Manual of Mineralogy.—The Zoology, Botany and Chemistry necessary to the study of the books above named; or as in Dawson's Handbook of Zoology; Gray's Structural and Systematic Botany, and Wilson's Inorganic Chemistry.

5. *Experimental Physics.—Light.*—Theories.—Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarization. *Heat.*—Dilatation of Solids, Liquids and Gases—Specific and Latent Heat.—Radiation and Conduction.—Mechanical Theory of Heat.

6. *History and English.*—viz., (a) *English Language.*—Marsh's Hand-Book; or Chaucer, Prologue to Canterbury Tales, with Early English Grammar. (Clarendon Press Series, ed. Morris).

(b) *English Literature.*—Shakespeare—Hamlet. (Clarendon Press Series, ed. Clark and Wright.) Bacon's Essays, 1-32 inclusive.

(c) *History.*—Freeman:—General sketch of European History; Green's Short History of the English people: The (Tudor and Stuart Periods.)

Or instead of History and English, candidates may take one of the following:—

(a) *History and French.*—History as above. The Course of French for the Fourth Year.—Boileau, Art Poétique; Corneille, Horace; Translation into French, and French Composition.

(b) *History and German.*—History as above. Schiller, Geschichte des 30 jahrigen Krieges; Goethe, Iphigenie auf Tauris; General paper on Grammar: Translation into German, and German Prose Composition.

(c) *History and Hebrew.*—(Theological Students only.) History as above. Hebrew Grammar; Translation from first four chapters of Isaiah; any three of the Psalms; the Chaldaic portions of the Scriptures; Targum of Onkelos on Genesis, Chap. I.; Modern Hebrew Poetry, Halevi or Gabirol.

II. FOR THE DEGREE OF M.A.

Candidates are required to prepare and submit to the Faculty of Arts, not less than two months before proceeding to the degree, a Thesis on some Literary or Scientific subject previously approved by the Faculty.

All candidates, except those who have taken First Class B. A. Honours, or have passed First Class in the Ordinary Examinations

for the Degree of B. A., are required also to pass an Examination, either in Literature or in Science as each Candidate may select. This examination is not compulsory before the Session 1883-4.

III. DEGREE OF LL.D.

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.

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 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.

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

I. Candidates for Honours in the Third Year.

Candidates for Honours who, at the Sessional Examination of the Second Year, have passed in the First Class in the subjects in which they purpose to compete for Honours, and not below Second Class in the others, may, on application to the Faculty, be allowed the following exemptions :—

They may in the Lectures and Examinations of the Third Year omit any one of the following subjects, provided it is not immediately connected with that in which they study for Honours :—(1) Greek. (2) Latin. (3) Optics. (4) Rhetoric. (5) Moral Philosophy. (6) Experimental Physics. (7) Zoology.

The particular exemption desired must be stated to the Faculty in the application of the candidate, and no change can be made subsequently.

For the purpose of the above Regulations, the subjects of the Second Year in which Honours are given in the Third Year are classified under the following heads :

1. Classics. 2. Mathematics and Physics. 3. Logic, Moral and Mental Philosophy. 4. Natural Science. 5. English.

The candidate must pursue the Honour course selected to the satisfaction of the Professor, and must pass the Examination therein.

The above exemptions shall be granted only with reference to Honour subjects in which regular courses of Lectures are delivered in the Third Year.

II. Candidates for B.A. Honours.

Students who have attained Honours at the end of the Third Year in any subject, and wish to be candidates for B.A. Honours in the same subject, are entitled to exemptions if they have been placed in the 1st or 2nd Class in any two of the four subjects required (§ IV) for the Final Examination. The Regulations concerning these exemptions are as follows :—

[1] EXAMINATIONS.—They may claim to have the Third Year Examination in the two subjects referred to regarded as a B.A. Examination in the same.

[This amounts to exemption at the ordinary B.A. Examination from two of the four subjects required above.]

[2] LECTURES.—They are required to attend the Ordinary Lectures of the Fourth Year [for which see § I and Time Table] in three subjects only. Two of these must be the subjects in which they are to pass the ordinary B.A. Examination, if Lectures are delivered in them ; if not, the choice is left to the Candidate.

[N.B. Candidates are required to pass the Christmas Examination in the subjects in which they attend the ordinary Lectures.]

III. Law and Medical Students.

1. Students of the Third and Fourth Years, matriculated in the Faculties of Law or Medicine of the University, are entitled to the following exemptions :—

In the Third Year they may omit the Lectures and examinations in Optics and in any one of the following subjects :—Zoology, Experimental Physics, or Rhetoric and English Literature.

In the Lectures of the Fourth year they may omit Greek and Astronomy and also Geology or Experimental Physics. At the Christmas Examination of the Fourth year they may omit Astronomy and Optics.

In the Ordinary B.A. Examinations they may, in Classics, pass in Latin alone ; and in Mixed Mathematics, in Mechanics and Hydrostatics alone.

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 exemptions are claimed.

IV. *Students in the Faculty of Applied Science.*

Students in Arts who have passed the Intermediate Examination and been placed therein not lower than the Second Class in Mathematics have the privilege of entering the Second Year in Applied Science, and will be exempted from the Mental and Moral Philosophy and the Greek of the Third and Fourth Years in Arts while proceeding regularly in the course for B. Ap. Sc.

V. *Students of 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 to which any such Students may belong, 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. Matriculated Students are allowed no exemptions in the course for the degree of B.A. till they have passed the Intermediate Examination ; but they may take Hebrew in the First and Second years, instead of French or German.

4. In the Third and Fourth years they are allowed exemptions as follows :—

In the Third year they may omit Optics and Rhetoric and English Literature with Experimental Physics or Zoology.

In the Fourth year they may omit Astronomy and Optics and English Literature, with Experimental Physics or Geology.

5. Certificates of attendance on the full course of lectures in the Theological College, during the year for which the exemptions are claimed, must be produced by Students who avail themselves of these exemptions, before presenting themselves for Examination.

[No Student will be allowed in the same Session both Professional and Honour exemptions. Students are cautioned against difficulties that may arise from any change such as taking Professional Exemptions in the Third Year, and Honour Exemptions in the Fourth, or vice versâ, *e. g.*, a Professional Student who has not taken up "Optics" in the Third Year, may be required by the Regulations to take it up in the Fourth if he does not claim Professional Exemptions in that year].

§ 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. :

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

The *Prince of Wales Gold Medal*, for Logic and 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.

In the event of there being no Candidate for any Medal, or of none of the Candidates fulfilling the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subjects for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS, of First or Second Rank, will be awarded to those Matriculated Students 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.

By a recent 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, in which case exemptions (under § V.) can not be taken.

4. CERTIFICATES of High General Standing will be granted to those Matriculated Students, who are placed in the First Class in the aggregate of the Studies proper to their year.

5. PRIZES OR CERTIFICATES to those Matriculated Students 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 the Marquis of Lorne has been pleased to offer a Gold Medal in the Faculty of Arts, yearly during his term of office, for the encouragement of the study of Modern Languages and Literature with History.

LORNE GOLD MEDAL.—The Regulations are as follo.

1. The Subjects for competition shall be French and eith   man or Spanish, together with the History part of the present Honour C   r 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 as follows :

I. FRENCH.—*Third Year*.

> Racine,—Phèdre ; Les Plaideurs.
> Boileau,—L'Art Poétique.
> Pascal,—Les Pensées.
> La Bruyère,—Les Caractères.
> Ampère,—Formation de la Langue française.

In addition to the ordinary course as stated in the Calendar.

Fourth Year.

> A. Cogery,—Third French Course.
> Molière,—Le Misanthrope.
> Corneille,—Cinna.
> La Rochefoucauld,—Les Maximes.
> Montaigne,—Les Essais.
> Auguste Brachet,—Grammaire historique.
> Etudes des Anciens textes français, (Demogeot.

In addition to the ordinary Course as stated in the Calendar.

II. GERMAN.—*Third Year*.

> Advanced Grammar,—(Whitney).
> Schiller,—Wilhelm Tell.
> Chamisso,—Peter Schlemihl.
> Wieland,—Oberon.

Schleicher,—Die Deutsche Sprache (History of the German Language).
History of German Literature from 1750, being a Critical Review of the
Principal Writers of the Classical Period ;—The Men of ' Sturm und
Drang'—The Romantic Schools—Modern Lyric Poets—(Gostwick
and Harrison's Outlines.)
Translation into German (Selections from English Prose writers).
Composition.

Fourth Year.

Advanced Grammar,—(Whitney).
A special study of Goethe's ' Faust' (Part I.)and 'Iphigenie auf Tauris.'
Selections from Heine's Lyrical Poems.
Schiller,—Geschichte des dreissigjährigen Krieges.
Schleicher,—Die Deutsche Sprache.
German Literature from 1150 to 1350.—Mediæval Classic writers—Epic,
Lyric and Didactic Poetry—(Kurz, Leitfaden zur Geschichte der Deut-
schen Literatur).
Translation from English writers.
Composition.

III. SPANISH.—*Third Year.*

Grammar and Composition, Rabadan's Advanced Course.
Selection from the Novelas Exemplares of Cervantes.
Poesias Selectas de Lope de Vega.
History of Spanish Language and Literature, Ticknor and Bouterwek.
First period ; from end of the twelfth century to the beginning of the
sixteenth.

Fourth Year.

Composition.
Translation from English into Spanish.
Latter portion of Rabadan's Advanced Course.
Calderon's La Vida es sueno, and Il Alcalde de Zalamea.
History of Spanish Literature, Luis de Leon, Cervantes, Lyric Poetry,
Ballad Poetry, Romancero del Cid, School of Salamanca.

IV. HISTORY.—(*See Honour Course for Shakespeare Medal.*)

The Competitive Examination of the Fourth year will include the work
of both the Third and Fourth Years.

7. THE NEIL STEWART PRIZE of $20 is open to all Undergradu-
ates 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 Scripture as may be determined.

C

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 five Psalms.]

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

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

8. (*a*). EARLY ENGLISH TEXT SOCIETY'S PRIZE.—This 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).*

(*b*). NEW SHAKESPEARE SOCIETY'S PRIZE. This Prize, the annual gift of the New Shakespeare Society, will be awarded for a critical knowledge of the following plays of Shakespeare :

Hamlet ; Macbeth ; Othello ; King Lear.

9. 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.

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§ VII. LICENSED BOARDING-HOUSES.

(*Regulations for Students in Arts, passed by 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 a boarding-house 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:

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 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 and honours, suspend from Classes, or report to the Corporation for expulsion.

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

[NOTE.—All Students are required to appear in Academic dress while in or about the College buildings.]

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.

§ IX. LIBRARY AND MUSEUM.

1. The books in the Library consist of two divisions :—1st, those which may be lent ; and, 2nd, those designated by the general term "Books of Reference," which may not, under any circumstances, be removed from the Library.

2. A Student may borrow books from the Library on depositing the sum of four dollars with the Librarian, and signing a receipt for the books ; such deposit to be returned to the Student on his returning the books uninjured.

3. Students may borrow not more than three volumes at one time, except on special recommendation of a Professor, and must return them within two weeks, on penalty of a fine of 20 cts. for the first week of detention, and 50 cts. for each subsequent week.

4. A Student incurring a fire will be debarred the use of the Library until the fine has been paid.

5. Any volume or volumes lost or damaged by a Student shall be paid for by him at such rates as the Faculty may direct, having reference to the value of the book and of the set to which it may belong.

6. Students may read in the Library at such hours as may be determined by the Faculty.

7. Professors and Lecturers may borrow any books required by them for their duties in the College, not exceeding ten volumes at any one time. Books so borrowed must be returned at or before the end of each Session.

8. Graduates in any of the Faculties, on making a deposit of four dollars, 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.

9. Members of the McGill College Book Club are, by a regulation of Corporation, entitled to the use of the Library on the same conditions as Graduates.

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, the Dean of the Faculty, or any of the Professors ; and donors of books or money to the amount of Fifty Dollars may at any time consult books on application to the Librarian.

[NOTE.—This rule applies also to Students in Law and Medicine who have paid the Library Fee to the Secretary. They are required to present their Matriculation Tickets to the Secretary and to the Librarian.]

11. The Library will be open from 10 a.m. to 4 p.m., daily, except Saturdays. On Saturdays it will be opened from 10 a.m. to 1 p.m.

12. No one is allowed to enter the alcoves, or to take down books from the shelves, except the Governors, Members of Corporation, Professors, the Librarian and his assistants, 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 Librarian, who will thereupon procure him the book.

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

15. No conversation that can disturb Readers is permitted in the Library.

16. The time and conditions of study in the Museum will be arranged by the Professor of Natural History.

§ X. FEES.

Matriculation Fee for the First Year (to be paid in the Year of Entrance only)..$4 00

For the Second Year (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

Sessional Fee...20 00

Library Fee.. 4 00

Gymnasium Fee... 2 50

Undergraduates and Students in Special Courses are required to pay all the above Fees.

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 Class 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.

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 Vice-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 (see also 7, § VIII.) are applied to the purchase of books for the Library.]

Fee for the Degree of B.A...................... $5 00
"   "   "   *M.A*.................$10 00
"   "   "   *LL.D*...................$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. fee must be sent to the Secretary of the University at the same time that the Candidate sends his Thesis to the Dean of the Faculty. This is a condition essential to the reception of his application.

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 date of application for the Degree.

§ XI. COURSES OF LECTURES.

I. ORDINARY COURSE.

1. CLASSICAL LITERATURE AND HISTORY.

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

GREEK.

First Year.—HOMER.—ODYSSEY, Book XII.
    XENOPHON.—HELLENICS, Book II.
    Greek Prose Composition.

Second Year.—LYSIAS.—IN ERATOSTHENEM.
    EURIPIDES.—MEDEA.

Third Year.—DEMOSTHENES.—THE OLYNTHIACS.
    AESCHYLUS.—THE PROMETHEUS VINCTUS.

Fourth Year.—HERODOTUS.—Book IX.

LATIN.

First Year.—VIRGIL.—ÆNEID, Book VII.
    CICERO.—EPISTOLAE SELECTAE.
    Latin Prose Composition.

Second Year.—HORACE.—EPISTLES, Book I.

        TACITUS.—GERMANIA.

        Latin Prose Composition.

Third Year.—JUVENAL.—SATIRES VIII. and X.

        PLAUTUS.—MILES GLORIOSUS.

        Latin Prose Composition.

Fourth Year.—TACITUS.—HISTORIES, Book I.

        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.

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2. ENGLISH LANGUAGE AND LITERATURE.

(MOLSON PROFESSORSHIP.)

Professor, VEN. ARCHDEACON LEACH, D.C.L., LL.D.

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

First Year.—English Language and Literature.—Text-books—Bain's English Grammar, as far as Derivation. During the course of lectures on Literature Students will be advised as to individual reading.

Second Year.—A detailed course on some period of English Literature. Session 1881-2—The Great Poets of the Nineteenth Century.

Third Year.—Rhetoric.—Text-Book—Whately's Rhetoric, I., II., III.

Fourth Year.—A course on the following special subjects :

    Chaucer, The Prologue to the Canterbury Tales; Shakespeare, Hamlet.

3. HISTORY.

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

During the Session of 1881-2 the Professor of History will deliver a course of lectures on the Constitutional History of England during the Plantagenet period.

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4. LOGIC, MENTAL AND MORAL PHILOSOPHY.

(JOHN FROTHINGHAM PROFESSORSHIP OF MENTAL AND MORAL PHILOSOPHY.)
Professor, REV. J. CLARK MURRAY, LL.D.

Second Year.—ELEMENTARY PSYCHOLOGY.—Text-Book—Bain's Mental Science. LOGIC—Text-Book—Jevons' Elementary Lessons in Logic.

Third Year.—MORAL PHILOSOPHY.—Text-Book—Calderwood's Handbook of Moral Philosophy.

Fourth Year.—MENTAL PHILOSOPHY.—Text-Book—Murray's Outline of Hamilton's Philosophy.

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5. FRENCH LANGUAGE AND LITERATURE.

Professor, P. J. DAREY, M.A., B.C.L.

First Year.—DE FIVAS, Grammaire des Grammaires.
LA FONTAINE, les Fables, livres III et IV.
MOLIERE, le Malade imaginaires.
Dictation. Colloquial exercises.

Second Year.—DE FIVAS, Grammaire des Grammaires.
MOLIERE, l'Avare.—RACINE, Britannicus.
Translation into French :—DR. JOHNSON, Rasselas.
Les Ecrivains célèbres de la France :—Bonnefon.
Dictation. Parsing. Colloquial exercises.

Third Year.—POITEVIN, Grammaire élémentaire.
PONSARD, l'Honneur et l'Argent.
CORNEILLE, le Cid.
Translation into French :—GOLDSMITH, The Vicar of Wakefield.
French Composition. Dictation.
Les Ecrivains modernes de la France :—Bonnefon.

Fourth Year.—BARRIERE et CAPENDUS, les Faux bons hommes.
EMILE SOUVESTRE, Un Philosophe sous les toits.
Lectures on French Literature.
Translation into French :—Shakespeare, " As you like it,"
French Composition. Dictation.
The Lectures in the Third and Fourth Years are given in French.

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6. GERMAN LANGUAGE AND LITERATURE.

Professor, C. F. A. MARKGRAF, M.A.

First Year.—This Course comprises Grammar, Reading and Translations oral and written. Text-Books :—Schmidt's German Guide (1st and part of 2nd Course; Adler's Progressive German Reader (Selections from Sections 1, 2 and 3).

Second and Third Years.—Text-Books :—Schmidt's German Guide (2nd and 3rd Course); Otto's Conversation Grammar (excerpts; Adler's Reader (Selec-

tions from Sections 4 and 5).—German Plays (the authors to be made known at the commencement of the Session) ; History of German Literature from the earliest periods to the close of the 18th century (A Brief Survey, by C.F.A.M.)—Exercises in Parsing ; Translations from English writers ; German Composition (in the Third Year).

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7. HEBREW AND ORIENTAL LITERATURE.

Professor, REV. A. DE SOLA, LL.D.

Elementary Course.—(*For Students of the First and Second Years.*)—Grammar ; —Text-Book, Gesenius' Hebrew Grammar, with exercises in orthography and etymology ; Reading ; Translation and Grammatical Analysis of Historical portions of the Scriptures—Syntax—Mishlé Shualim—Fables, &c.

Advanced Course.—(*For Students of the Second, Third and Fourth Years.*)—Introduction to the Study of Hebrew Poetry—its spirit and characteristics. Lowth and Sarchi as Text-books. Translation from the Psalms, Lamentations and Isaiah. Ancient compared with Modern Hebrew Poetry ; the productions of Halevi, Gabirol, &c., Grammar, Exercises, &c., continued.

The Chaldee Language :—Grammar, *Mebo Halashon Aramith* of J. Jeitteles. The Chaldee portions of Scripture. Targum of Onkelos and T. Yerushalmi.

The Syriac Language :—Grammar (Uhlemann's) and Translation.

The course comprises Lectures on the above Languages 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.

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8. SPANISH LANGUAGE AND LITERATURE.

Rev. Professor DE SOLA.

(Extra Fee for this Class, $5.00.)

The study of the Spanish Language on this continent, being generally pursued with special reference to commercial purposes, it will be sought to impart in this course a practical knowledge of the Castilian—the richest and most harmonious of the Peninsular languages—as well as an acquaintance with its Literature.

Ollendorf's Spanish Grammar by Velazquez and Simmoné, and the Reader of Velazquez, are the Text-Books employed in the Junior Class, who will also be exercised in Composition by both written and oral exercises. In the Senior

Class, Fernandes' Exercises, continuation of Grammar and Composition, Cervantes' Don Quixote, Quintana, Vida del Cid, and Mariana's Historia will be the subjects of study. Besides a special comparison with the Portuguese Language, a general notice, literary and historical, of the Bascuence and other dialects will be given.

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9. MATHEMATICS AND NATURAL PHILOSOPHY.

(PETER REDPATH PROFESSORSHIP OF NATURAL PHILOSOPHY.)

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

(In the work of the First and Second Years, assistance will be given by G. H. Chandler, M.A., Lecturer in Mathematics in the Faculty of Applied Science.)

MATHEMATICS.—*(First Year)*—Arithmetic.—Euclid, Books 1, 2, 3, 4, 6, with Definitions of Book 5 (omitting propositions 27, 28, 29, of Book 6), Todhunter's Edition.—Todhunter's Algebra for Beginners, to end of Quadratic Equations with one unknown quantity, together with Involution, Indices, and Surds. —Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

MATHEMATICS.—*(Second Year)*—Arithmetic, Euclid, Algebra, and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.—Elements of Solid Geometry, including the mensuration of Surfaces and Solids. Geometrical Conic Sections :—the Parabola with the fundamental properties of the Ellipse and Hyperbola. Text-book :—Wilson's Solid Geometry and Conic Sections, pp. 1-60 and 93-118.

The course for the Intermediate University Examination consists of the Mathematics for the first two years except Conic Sections and Solid Geometry.

MATHEMATICAL PHYSICS.—*(Third Year)*—Galbraith and Haughton's Mechanics (omitting chap. 5 of Statics), Hydrostatics, Optics.

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

EXPERIMENTAL PHYSICS.—*(Third and Fourth Years)*.—1.—*Light*.—Theories.—Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarisation. 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 Telegraph, &c. 4.—*Magnetism*. 5.—*Sound*.—Theory of Undulations.—Production and Propagation of Sound—Vibrations of Strings, Rods, and Plates.—Vibrations of Fluids.—Musical Sounds. Text-Books :—Ganot's Treatise translated by Atkinson, and Tyndall on Heat and Sound. This Course extends over two years.

The Subjects for the Session 1881–82 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.

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10. GEOLOGY AND NATURAL HISTORY.

(Logan Professorship of Geology.)

Professor, J. W. Dawson, LL.D., F.R.S., F.G.S.

B. J. Harrington, B.A., Ph. D., Assistant Professor of Geology.

I. Biological Course.

Botany.—(*Second Year*).—Vegetable Histology and Organography. Nutrition and Reproduction of Plants. Classification. Descriptive Botany. Flora of Canada. Notices of Palæobotany and Geographical Botany.

Text-Book.—Gray or Bessey.

[A prize of $20 will be given by the Professor for the best collection of plants and the greatest proficiency in their determination. The prize collections or duplicates of them to remain in the College Museum. Candidates must be students in Botany of the previous session.]

Zoology and Palæontology. (*Third Year*.)—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.

Text-Book.—Dawson's Hand-book of Zoology, with books of reference.

II. Geological Course.

Mineralogy and Geology. *Fourth Year.*

(1) *Mineralogy*.—Chemical and Physical characters of Minerals, including Crystallography, the methods of determining species, and Descriptive Mineralogy; with special reference to those species most important in Geology, or useful in the Arts.

(2) *Lithology and Stratigraphy*.—Composition of Rocks and their structure on the small scale; Classification of Rocks. Arrangement of Rocks on the large scale; Stratification, Elevation and Disturbances, Denudation.

(3) *Chronologial 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.

Text-books.—Dana's Manuals of Mineralogy and Geology, Dawson's Lecture Notes on Geology.

The Lectures in Natural History will be accompanied with Demonstrations in the Museum. Students in Natural History are also entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

11. CHEMISTRY.

Lecturer, 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, Chemical Formulæ and Equations, Chemical Affinity, 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, Sugar, Albumen, Alcohol, the Vegetable Acids, &c. During the Course attention is called, as far as possible, to the relations of Chemistry to the various manufacturing industries. The laboratory is supplied with the usual apparatus, including a balance by Becker & Sons, spectroscope by Duboscq, Oxy-hydrogen lamp and blowpipe, large gas-holders &c.

Text-book.—Wilson's Inorganic Chemistry. In connection with the Lectures on Organic substances students may consult Roscoe's Elementary Chemistry or Fowne's Chemistry.

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12. METEOROLOGY.

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

Instruction 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.

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13. ELOCUTION.

MR. JOHN ANDREW, Instructor.

Students are recommended by the Faculty to avail themselves of the Instructions of Mr. Andrew, who will make arrangements for evening classes to meet during the Session.

II. HONOUR COURSES.

I. CLASSICS.

B.A. HONOURS, BEING THE HONOUR COURSE FOR STUDENTS OF THE THIRD AND FOURTH YEARS.

Candidates for B.A. Honours in Classics will be examined in the following subjects:—

I. GREEK.

Plato.—Republic, Books I. and II.
Aristotle.—The Poetics.
Herodotus.—Books VIII. and IX.
Thucydides.—Books VI. and VII.
Xenophon.—Hellenics, Books I. and II.
Homer.—Odyssey, Books I., II. and III.
Hesiod.—Works and Days.
Æschylus.—Prometheus Vinctus.
      "   Seven against Thebes.
Sophocles.—Antigone.
Euripides.—Hippolytus.
Aristophanes.—The Frogs.
Pindar.—Olympic Odes.
Theocritus.—Idylls I. to VI.
Demosthenes.—De Corona.
Æschines.—Contra Ctesiphontem.

II. LATIN.

Livy.—Books XXI., XXII. and XXIII.
Tacitus.—Annals, Books I. and II.
      "   Histories, Book I.
Virgil.—Æneid, Books I. to IV.
Plautus.—Aulularia.
Terence.—Adelphi.
Horace.—Satires, Book I.
Juvenal.—Satt. VIII. and X.
Persius.—Satt. V. and VI.
Cicero.—De Imperio Cn. Pompeii.
      "   De Officiis.

III. 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 Litereture.
5. Cruttwell's History of Roman Literature.
6. Cruttwell and Banton's Specimens of Roman Literature.
7. Donaldson's Theatre of the Greeks.

IV. COMPOSITION.

1. Composition in Greek and Latin Prose.
2. General paper on Grammar, History and Antiquities.

The Examination for B.A. Honours will extend over four days, in the morning from 9 to 12, and the afternoon from 2 to 5.

2. LOGIC, MORAL PHILOSOPHY, AND MENTAL PHILOSOPHY.

The Honour Course in this department extends over the Third and Fourth Years. The Lectures of the Third Year review the Ancient Greek Philosophy, while those of the Fourth Year discuss the chief modern systems in connection with the existing tendencies of speculation.

In the Third Year, the Examination will be on the following works, in addition to the Lectures of that year :—

Schwegler's History of Philosophy, Chapters 1-21, inclusive.

Thomson's Outline of the Laws of Thought, Parts I., II., and III.

For B.A. Honours, the following works will form the subjects of Examinations, besides the Lectures of the Third and Fourth Years :—

Schwegler's History of Philosophy.

Thomson's Outline of the Laws of Thought, Parts I., II., and III.

Mill's Logic.

Kant's Critique of the Pure Reason.

Kant's Theory of Ethics (translated by T. K. Abbott).

Plato's Republic.

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3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

The examination for Honours in the Third Year will be on the works in the following course :

Language.—Anglo-Saxon.—The lectures of the Third Year.

Early English.—Specimens of Early English (Clarendon Press Series, ed. Morris and Skeat), Part II., extt. I-IX., inclusive.

Literature.—Chaucer.—The Prologue to the Canterbury Tales, The Knightes Tale, The Nonne Prestes Tale (Clarendon Press Series, ed. Morris).

Spenser.—The Faerie Queene, Book I.

Milton.—Shorter English Poems; Areopagitica (ed. Arber).

Dryden.—Annus Mirabilis; Hind and Panther; Absalom and Achitophel. The Preface to the "Fables."

Wordsworth.—Prelude (Moxon's edition).

History.—The lectures on Constitutional History.

Hallam.—Middle Ages, caps. 1, 3, 5, 8, 9.

Macaulay.—Vol. I. cap. 1.

Lectures on the Honour Subjects of the Third Year.

Language.—Anglo-Saxon.—The essentials of the Anglo-Saxon Language and Literature. Text-book—Sweet's Anglo-Saxon Reader (Clarendon Press Series).

Literature.—A course on some of the special Honour subjects.

History.—Honour students are required to attend the Ordinary course of lecture on History.

B.A. HONOUR COURSE.

For B.A. Honours, the examination will be on a selected portion of the Literature of the Third Year Honour course and on the following subjects :

Language.—Anglo-Saxon—The lectures of the Fourth Year.

Early English—Specimens of Early English (Clarendon Press Series, ed. Morris and Skeat), Part II., extt. X-XX., inclusive.

Literature.—Shakespeare—Love's Labour's Lost, A Midsummer's Night's Dream, Hamlet, The Tempest.

Ben Jonson—Every Man out of his Humour.

Pope—Essay on Criticism, Essay on Man, Moral Essays.

Cowper—The Task.

Campbell—The Preasures of Hope.

Shelley—Cenci, Adonais.

Tennyson—Idylls of the King, In Memoriam.

Matthew Arnold—Essays in Criticism (the first two).

History.—The lectures of the Fourth Year.

Hallam—Constitutional History, caps. 1, 5 to 14 inclusive.

Macaulay—Vol. I., caps. 2 and 3.

Lectures on the Honour Subjects of the Fourth Year.

Language.—Anglo-Saxon—Sweet's Anglo-Saxon Reader and a portion of one of the longer Anglo-Saxon poems.

Literature.—A course on these special Honour subjects, viz :—the four prescribed plays of Shakespeare and Modern Poetry, with especial reference to Tennyson's Idylls of the King, and the In Memoriam.

History.—Honour Students are required to attend the Course of Lectures on Constitutional History.

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4. MATHEMATICS AND PHYSICS.

MATHEMATICS.—(*First Year.*)—McDowell's Exercises on Modern Geometry, &c.—Wood's Algebra—Todhunter's Theory of Equations.

MATHEMATICS.—(*Second Year.*)—Hind's Plane and Spherical Trigonometry, —Salmon's Conic Sections, chapters 1 to 7 and 9 to 13 inclusive.—Williamson's Differential and Integral Calculus (selected course).

MATHEMATICAL PHYSICS.—(*Third Year.*)—Minchin's Statics (omitting Chapter 14).—Tait & Steele, Dynamics of a Particle.—Besant's Hydromechanics, Chaps. 1, 2, 3, 5.—Walton's Mechanical and Hydrostatical Problems.—Parkinson's Optics.—Main's Practical and Spherical Astronomy (selected course).

B.A. HONOUR COURSE.

PURE MATHEMATICS.—Williamson's Differential and Integral Calculus.—Boole's Differential Equations (selected course).—Salmon's Geometry of three Dimensions (selected course).

MECHANICS.—Minchin's Statics.—Tait & Steele, Dynamics of a Particle. —Routh's Dynamics of a Rigid Body (selected course).—Besant's Hydromechanics.—Walton's Mechanical Examples.—Walton's Examples in Hydrostatics.

ASTRONOMY.—Main's Astronomy.—Sir John Herschel's Outlines of Astronomy (Part II. The Lunar and Planetary Perturbations)—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.—Treatise by Fleeming Jenkin.—Cumming's Theory of Electricity.

HEAT,
ACOUSTICS, } As in ordinary course.

Engineering students may be candidates for Honours.

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5. NATURAL HISTORY AND GEOLOGY.

THIRD YEAR.

(1) *Mineralogy :*—Crystallography. Physical and Chemical Properties of Minerals. Blow-pipe Analysis and determinative Mineralogy. Description of species important as constituents of rocks.

(2) *Lithology:*—Classes of Rocks. Texture and Composition. Description of the more commonly occurring Rocks.

(3) Directions for collection and study in the vacation.

B.A. HONOUR COURSE.

(1) *Mineralogy and Lithology:*—Description of Species, with particular reference to the Economic Minerals of Canada, Calculation of Mineralogical Formulæ, &c. Description of Rocks; Microscopic Examination of Rocks.

(2) *General Geology and Palæontology:*—An advanced course, in connection with which the students will be required to read Dana's Manual of Geology and Lyell's Student's Elements.

(3) *Canadian Geology:*—In connection with which the students will read Reports of the Geological Survey of Canada, and Dawson's Acadian Geology.

(4) Practical Exercises and Instruction in the methods of Observation and of conducting Geological Explorations, and in the Study of Palæontology. Text-books:—Von Cotta on Ore Deposits, Nicholson's Palæontology.

The Lectures on the above Subjects will be Illustrated with Specimens and accompanied with Demonstrations in the Museum. Excursions for field work will be undertaken when practicable.

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 Honours.

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6. MODERN LANGUAGES WITH HISTORY.

See LORNE MEDAL Course.

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§ XII. APPARATUS AND MUSEUM.

PHILOSOPHICAL APPARATUS.

LIGHT.—Besides a Foucault's Regulator for the Electric Light, an Oxy-hydrogen Lamp, a Porte-lumière for Solar Light, and the usual instruments for the complete illustration of the phenomena of Reflection, Refraction, Dispersion, Achromatism, Vision, &c., the collection contains the means of illustrating Spectrum Analysis by projection on the screen; a Spectroscope, Duboscq's Projection apparatus for Double Refraction and Polarization, with a large collection of crystals; two Norremberg's Polariscopes, and apparatus for Interference. It has also Duboscq's Diffraction Bench and Apparatus, including the means of measuring the length of a wave of light by Babinet's method, Fresnel's Mirrors for Inter-ference, a Biprism, &c. By means of this last collection photographs of diffrac

tion phenomena have been taken in the College, which are projected on the screen for class illustrations.

ELECTRICITY.—For Electrical experiments there is a large plate-machine with the usual concomitants of Leyden jars, &c. ; also a Holtz machine ; a large Induction coil by Ruhmkorff with Foucault's contact-breaker, giving an eight inc spark ; an Electro magnet of the largest size, with arrangements for experiment in Diamagnetism, and for the " Magnetization of light ;" a Gaugain's Tangent Galvanometer with two circles, by Elliott Brothers, of London ; a Thomson's Astatic Reflecting Galvanometer of high resistance with set of shunts, &c., by the same makers ; other galvanometers ; Wheatstone's Bridge and Wheatstone's Rheostat, &c., for Electrical measurements ; Delezenne's circle to show induction by the earth's magnetism ; Geissler's tubes, &c.

HEAT.—In the collection for Heat there are large silver-plated Reflectors, &c., apparatus to show formation of vapors in a vacuum and maximum tension ; Thermopiles, with condensers ; two different arrangements for exhibiting the phenomena of Calorescence, &c.

SOUND.—The collection for Sound, containing Organ-pipes and Bellows, Tuning-forks, Sonometer, Siren, Vibrating-plates, apparatus for singing-flames, &c., is almost wholly from Kœnig, of Paris. The most recent additions include :— The double Siren of Helmholtz, Lissajou's apparatus, Resonators, with arrangements for manometric flames ; Quincke's apparatus for Interference, &c., Meldes' apparatus for the study of vibrating strings ; Tisley's compound Pendulum apparatus and Edison's Phonograph.

MECHANICS AND HYDROSTATICS.—A good collection.

THE MUSEUM OF GEOLOGY AND NATURAL HISTORY.

The collections in Mineralogy and Geology, and part of those in Zoology, are arranged in the Central Hall of the Museum and the gallery surrounding it. The Carpenter collection of Shells occupies a separate fire-proof room. The Botanical Collections occupy the west corridor, and the east corridor is used as a store-room and work-room. All the specimens are, as far as limited space will permit, so arranged and labelled as to be accessible and instructive to Students.

1. MINERALOGY.—The basis of this department is the collection of about 2000 Canadian and Foreign Minerals acquired from the late Dr. Holmes in 1857. Subsequent additions have largely increased this collection, which is now arranged in table cases with drawers beneath, the former containing a complete series of the more important minerals and a suite of crystallographic specimens for the use of students. In the wall-cases at one side of the hall are separate collections of economic minerals, and illustrations of concretionary and stalactitic structures, metamorphism, mineral veins, &c.

2. GEOLOGY AND PALÆONTOLOGY.—The collections consist of large series of Fossils representing the successive formations. A typical series for the use of students is arranged in chronological order in table cases around three sides of the hall, with special and local collections in the drawers below. On the walls and in the centre of the hall are large specimens, casts, &c. Among the more important special collections are those representing *Eozoon Canadense,* Devonian Plants and Post-pliocene Fossils, and the skeletons of English Mesozoic Reptiles presented by Mr. Claxton of Montreal. There are also a number of casts of large Fossils from the Ward collection and from the British Museum. A typical collection of rocks is arranged in two table cases.

3. ZOOLOGY.—In this department the Carpenter collection of Shells, presented by the late Dr. P. P. Carpenter, is a principal feature. The specimens are beautifully mounted on glass tablets, and arranged in six large table-cases and seven upright cases, and in drawers beneath the former. The collections of Radiates, Articulates and Vertebrates are temporarily placed in wall cases on one side of the hall and in the gallery above.

4. BOTANY.—The principal part of this collection is the Holmes Herbarium of Canadian and Foreign Plants, including the Grasses and Carices, which have been revised and named by Col. Munro. There is also a collection of specimens of Canadian woods, presented by the late Dr. Barnston, and by D. Davidson, Esq. a collection of Australian woods, presented by Sir Wm. Dennison ; collections of Foreign Ferns and British Plants, presented by G. Barnston, Esq., and collections of Mosses, Lichens, Fungi, and Algæ.

5. ETHNOLOGY.—In this department there are Indian Relics from the site of Hochelaga ; the collection of the late Dr. Van Cortland of Ottawa, purchased from his heirs ; and a small series of American Skulls.

[*Donations to the Museum are solicited ; more especially of Canadian specimens of Fossils, Animals and Economic Mineralogy.*]

Lectures in the Undergraduate Course in the Faculty of Arts,

SESSION OF 1881-82.

FIRST YEAR.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9	Classics.	* French. (e)	* French.	* French (e)	Mathematics.
10	Mathematics.	Classics.	Classics.	Classics.	Classics.
11	English.	† Mathematics. (c) (e)	English.	† Mathematics. (c) (e)	English.
12	Elementary Chemistry.	* German. * Hebrew.	Mathematics.	* German. * Hebrew.	Elementary Chemistry.
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SECOND YEAR.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9	* French.	Mathematics. (∫)	* German.	Mathematics. (∫)	* French.
10	Classics.	Botany.	Logic.	Botany.	* German, (a)
11	Logic.	Classics.	† Mathematics.	Classics.	* German. † Mathematics.
12	† Mathematics.	* German. (d)	* French.	English. (b)	Classics.
1	* German.				Logic.

THIRD YEAR.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9	History. (b)	Classics.	† Classics. † Math. Phy.	Classics.	† Classics. † English : † Geol.
10	German (b); † Math. Physics. † Mental Philosophy.	French, (b). † Ment. Phil.	† Anglo-Saxon.	French. (b)	Moral Philosophy.
11	Math. Physics.	Zoology.	Mathematical Physics.	Zoology.	Mathematical Physics.
12	Moral Philosophy.	§ Experimental Physics.	Moral Philosophy.	§ Experimental Physics.	† Mathematical Physics.
1		Hebrew. (b)	Rhetoric.	Hebrew. (b)	German. (b)

FOURTH YEAR.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
9	† Geology.	Astronomy (a). German (b).	† Classics, Geology.	Astronomy, (a). German (b).	† Geology. † Classics.
10	Geology.	† M. Phy. : French (b). † M. Ph.	English Literature.	† Math. Phys : † Mental Phil.	Geology.
11	Classics.	Mental Philosophy.	Classics.	Mental Philosophy.	French (b). † Anglo-Saxon and Early English.
12	† English.	§ Experimental Physics.	† Geology. † Math. Physics.	§ Experimental Physics.	German. (b)
1				Hebrew. (b)	

(a) During First Term. (b) Optional. (c) Except from Nov. 1st to Christmas. (d) 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. (∫) From Nov. 18th.
Classes at 1 P.M. may be changed to other hours. (e) The First year lecture hours in French and Honour Mathematics will be interchanged after Nov. 18th.
Library open every day except Saturday, 10 to 4; Saturday, 10 to 1. The Museum will be open as arranged by the Professor of Natural History

Faculty of Applied Science.

THE PRINCIPAL (*ex-officio*).

Professors :—GIRDWOOD,   Associate Professors :—LEACH.
       HARRINGTON.   DAWSON.
       BOVEY.   MARKGRAF.
       MCLEOD.   JOHNSON.
Lecturer :— CHANDLER.   DAREY.
                                       MOYSE.

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

Librarian :—C. F. A. MARKGRAF, M.A.

The Instruction in this Faculty is designed to afford a complete preliminary training of a Technical as well as a 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 Branches of study are established, viz :—

(1).—Civil Engineering, (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 Third and Fourth Years in the different Branches are each divided into an Ordinary and an Advanced Course as explained in Section III.

The Degrees conferred by the University upon such Undergraduates of this Department 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 branch of study pursued ; and, subsequently, the degree of " Master of Engineering " upon those who have pursued branches 1, 2, or 3, and of " Master of Applied Science " upon those who have pursued Course 4.

Examination for Land Surveyors :—Any Graduate in the Faculty of Applied Science in the Course of Civil Engineering

(a) During First Term. (b) Optional. (c) Except from Nov. 1st to Christmas. (d) 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. (||) From Nov. 18th.
Classes at 1 P.M. may be changed to other hours. (e) The First year lecture hours in French and Honour Mathematics will be interchanged after Nov. 18th.
Library open every day except Saturday, 10 to 4 ; Saturday, 10 to 1. The Museum will be open as arranged by the Professor of Natural History.

and Land Surveying may have his term of apprenticeship short-
ened 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 entrance into the Faculty, or during the First or
Second Year of attendance.

Students of the Civil Engineering Course, 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 special preparation for that Examination, more especially
in Spherical and Practical Astronomy and Geodesy, and may be ex-
empted from the Steam Engine and Hydraulics or from the Design-
ing of the Fourth Year.

Occasional Students may be admitted to the lectures and exam-
inations in the above special work.

§ I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation must present themselves for
examination on the 15th of September, 1881. 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.

FOR ENTRANCE INTO THE FIRST YEAR the subjects for examina-
tion will be :

> *Mathematics.*—Arithmetic; Algebra, to end of Simple Equations;
> Euclid's Elements, Books I., II., III.
>
> *English.*—Grammar (including Analysis), Composition and the lead-
> ing facts of the History of England.

Candidates in the School Examinations of the University, who have passed in
Geometry, Algebra and English, may be received as matriculated Students in the
First Year.

2. *The full course will extend over a period of FOUR years, but
Candidates may enter the SECOND year, and thus reduce the course
to THREE years*, if competent to pass a satisfactory examination in
the following subjects :

> *Arithmetic.*
>
> *Algebra.*—To the end of Quadratics.
>
> *Euclid.*—Books I., II., III., IV., VI., and XI., and the definitions of
> Book V.

Plane Trigonometry,—including solution of Triangles.

Chemistry.—Inorganic, as in Wilson's Elements.

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

French or German.—(French as in De Fivas' Grammaire des Grammaires as far as Syntax, and easy translation. German as in Schmidt's German Guide, Part I., and easy translation.)

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

Candidates who have already completed a portion of a course in some recognised School of Applied Science, may be admitted to an equivalent standing, provided they are able to take up the classes and work.

§ II. MEDAL, EXHIBITIONS AND PRIZES.

1. THE LORNE SILVER MEDAL (the gift of His Excellency The Right Honourable the Marquis of Lorne).

The Lorne Medal is open for competition to *fourth* year Students of the three courses of Civil, Mechanical and Mining Engineering. 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.

2. THE SCOTT EXHIBITION (founded by the Caledonian Society of Montreal, in commemoration of the centenary of Sir Walter Scott).

Two Exhibitions of $66 each on this endowment will be offered for competition at the opening of Session 1881-82 :—

One to Students entering the Fourth Year, the subjects of Examination being :—

(*a*) The Summer Report. (*b*) Macaulay's History of England, vol. I., cap. I. ; Milton's " Areopagitica ;" Sir Walter Scott's " Marmion." (*c*) Applied Mechanics.

1872,	Donald A. Stewart.	1877,	J. Swan.
1874,	W. Chipman.	1878,	J. S. O'Dwyer.
1875,	W. J. Sproule.	1879,	J. S. O'Dwyer.*
1876,	W. J. Sproule.		

* W. T. Skaife, proxime accessit, Special Scott Prize.

One to Students entering the Third Year, the subjects of Examination being :—

(*a*) The Summer Report. (*b*) Shakespeare's Henry VIII. (*c*) Mechanism. (*a*) Mathematics.

4. A prize of $20 will be offered for competition at the opening of the Session of 1881-82 to all Students entering the Second Year, the subjects of Examination being :—

(*a*) The Summer Report. (*b*) A paper on the Mathematics of the First Year.

5. AN EXEMPTION FROM FEES will be given to Students entering the Fourth Year as a prize in Descriptive Geometry to be awarded by examination at the beginning of the Fourth Year. The student enjoying this privilege will be required to give assistance to the professor in the drawing-room.

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§ III. COURSES OF STUDY FOR SESSION 1881-82.

A. ORDINARY COURSE.

FIRST YEAR.

CIVIL ENGINEERING.	MECHANICAL EN-GINEERING.	MINING ENGINEER-ING.	PRACTICAL CHEM-ISTRY.
Arithmetic. Euclid.	Arithmetic. Euclid.	Arithmetic. Euclid.	Arithmetic. Euclid.
Algebra. Trigonome-try.	Algebra. Trigonome-try.	Algebra. Trigonome-try.	Algebra. Trigonome-try.
Geometrical Conics.	Geometrical Conics.	Geometrical Conics.	Geometrical Conics.
Solid Geometry.	Solid Geometry.	Solid Geometry.	Solid Geometry.
Descriptive Geometry. (Optional.)	Descriptive Geometry. (Optional).	Descriptive Geometry. (Optional.)	Descriptive Geometry. (Optional).
Freehand Drawing.	Freehand Drawing.	Freehand Drawing.	Freehand Drawing.
Chemistry.	Chemistry.	Chemistry.	Chemistry.
English.	English.	English.	English.
French or German.	French or German.	French or German.	French or German.

SECOND YEAR.

Mechanism.	Mechanism.	Practical Chemistry.	Practical Chemistry.
Materials.	Materials.	Mechanism.	
Surveying.	Surveying.	Surveying.	Descriptive Geometry.
Practical Hydraulics.	Practical Hydraulics.	Practical Hydraulics.	
Descriptive Geometry.	Descriptive Geometry.	Descriptive Geometry.	
Algebra.	Algebra.	Algebra.	
Analytical Geometry.	Analytical Geometry.	Analytical Geometry.	
Calculus.	Calculus.	Calculus.	
Mathematical Physics.	Mathematical Physics.	Mathematical Physics.	Mathematical Physics.
Experimental Physics.	Experimental Physics.	Experimental Physics.	Experimental Physics.
Zoology.	Mechanical Work.	Zoology.	Botany.
English.	English.	English.	English.
French or German.	French or German.	French or German.	French or German.

THIRD YEAR.

Applied Mechanics.	Applied Mechanics.	Applied Mechanics.	Practical Chemistry.
Materials.	Materials.	Materials.	Assaying.
Surveying.	Machinery & Millwork	Mining.	Blowpipe Analysis.
Practical Hydraulics.	Practical Hydraulics.	Practical Hydraulics.	Mineralogy.
Drawing.	Drawing.	Practical Chemistry.	
Sphl. Trigonometry.		Blowpipe Analysis.	
Practical Astronomy.		Drawing.	
Mathematical Physics.	Mathematical Physics.	Mathematical Physics.	Mathematical Physics.
Experimental Physics.	Experimental Physics.	Experimental Physics.	Experimental Physics.
Geology.	Mechanical Work.	Geology & Mineralogy.	Zoology.
French or German.	French or German.	French or German.	French or German.

FOURTH YEAR.

Applied Mechanics.	Applied Mechanics.	Assaying.	Practical Chemistry.
Structures in Stone.	Machinery & Millwork.		Metallurgy.
" Timber.	Metallurgy of Iron.	Metallurgy.	Mineralogy.
" Iron.		Geology (advanced).	Geology.
Theoretical Hydraulics.	Theoretical Hydraulics.		
Practical Hydraulics.	Practical Hydraulics.	Practical Hydraulics.	
Steam Engine.	Steam Engine.	Steam Engine.	
Materials.	Materials.	Materials.	
Designs.	Designs.	Designs.	
Estimates. Spec'ns.	Estimates. Spec'ns	Estimates. Spec'ns.	
French or German.*	French or German *	French or German.*	French or German.*

(1) During the summer recess, the Students in the 2nd, 3rd and 4th years are to employ themselves in some practical work ; and they are also to prepare a report on such work, to be handed in not later than October 1st. Allowance will be made 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.

* Modern languages not imperative in the fourth year.

B. ADVANCED COURSE.

THIRD YEAR.—The Higher Mathematics, Mathematical Physics and Applied Mechanics.

FOURTH YEAR.—The Higher portions of Applied Mechanics.

All Students must take the Ordinary Course.

Students who have obtained two-thirds of the marks in the Mathematical subjects of the Second Year may enter the Advanced Course of the Third Year, and such Students, if they have passed not lower than Second Class in the French or German of the Second Year, may be exempted from the Modern Languages of the Third Year.

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§ IV. EXAMINATIONS.

I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

There will be a Christmas Examination for Students of the First Year in all the Subjects, and for Students of the following years in those Subjects which they take in the Faculty of Arts. A Sessional Examination will be held at the end of each year.

Candidates for the Degree of Bachelor of Applied Science are liable to be examined :—

1. In all the subjects of the *fourth* year.
2. In the Materials and Applied Mechanics of previous years.
3. In the Pure Mathematics of previous years.
4. In a Problem Paper on the Technical subjects of the whole course.

The Problem Paper is not compulsory, but will serve to determine the relative standing of Students.

Practical Chemistry Students are exempted from Nos. 2 and 3 of the above, but are liable for a special Examination in Practical Chemistry, Experimental Physics, and Biology.

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

1. Those who have deserved Honourable Mention, in order of merit.
2. Those who have satisfied the Examiners, in order of merit.

The Degree Examinations in Mathematics and Materials are to be held at the Christmas preceding the Final.

Certificates of merit may be given to such Students as take the highest places in the Degree Examinations.

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 provision 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 *bonâ fide* work in either the Civil, Mechanical, or Mining Branch of Engineering.

They must pass with credit an Examination, which will extend 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, during the three preceding years, been engaged.

The Examination will be held once in each year, in the second week of the month of December, and will be partly written and partly *vivâ voce*.

Notice of the intention of a Candidate to offer himself at any Examination for this degree must be sent in, together with the necessary certificates and fees, not less than two calendar months before each Examination is to be held.

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 under competent guidance in some branch of scientific work, and must pass with credit an Examination in 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.

§ V. SPECIAL PROVISIONS.

1. Occasional Students may be admitted to the Professional Classes upon payment of special fees (§ VII).

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 not lower than the Second Class in Mathematics, have the privilege of entering the Second Year in Applied Science, and will be exempted from the Mental and Moral Philosophy and the Greek of the Third and Fourth Years in Arts.

5. Undergraduates in Arts of the Second or 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.

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§ VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts. (See page 35.)

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§ VII. LIBRARY AND MUSEUM.

Students in this Department will 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 Year (to be paid in the year of entrance only), $4 ; for the Second Year (exigible from Students who enter in the Second Year, and also from those who have failed in the First Year, and re-entered the Second Year on Examination) $6.

Fee for Degree of Bachelor of Applied Science.—$10.

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

The fees must be paid to the Secretary and the tickets shewn 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.

The B. App. Sc. fee must be paid before the Examination.

Laboratory Students are required to purchase their own chemicals, &c.   The larger articles of apparatus will be supplied by the Laboratory, the Students paying $6 per Session for their use, and being responsible for breakage.

Occasional Students may be admitted to the Professional Classes in any year, by payment of the ordinary fee for that year, and $5 for entrance and use of the Library.

Partial students are required to pay the ordinary Library Fee, and in addition, fees to the amount of $10 for each subject ; in the case of Chemistry, however, the additional fee is to be $20, or $10 per term.

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

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

§ IX. COURSES OF LECTURES.

I. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor :—HENRY T. BOVEY, M.A., 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, &c.

The subject for Session 1881-82 will be the Water Supply of cities and towns, which will be treated of under the following heads :—Water *(Rainfall and Evaporation, Springs, &c.)*, Storage of Water Selection of Source of Supply, Measurements of Flow, Reservoir Embankments and Chambers, Systems of Purification, Mains and Distribution Pipes with Appendages, Constant and Intermittent Supply, Pumping Machinery, &c.

N.B.—Students of the Second Year are not required to pass the Examination in this subject.

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, the Strength, 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.

Steam and the Steam Engine.

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 regulation 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 *Slide, Throttle, Clack, and other Valves)*, Organs of Transmission *(Connecting Rods, Beam, Plumber-blocks, Journals, Cranks, Shafting, Eccentrics)*.

(*d*). The construction of Special Machines *(Locomotive)*.

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.

Instruction will be given in :—

(*a*). The drawing of parts of machines from given dimensions.

(*b*). The use of geometrical drawing in arranging and designing the parts of machines, and the methods of working out various mechanical problems graphically.

(*c*). The designing of bridges, machines, and engineering structures generally.

(*d*). The taking out of quantities and making of estimates from drawings.

II.   MECHANICAL ENGINEERING.

Professors BOVEY and McLEOD.

Mechanism.

The lectures on Mechanism will treat of :—The object and structure of a machine and the parts of a machine, bearings, connections (*simple and complex*), elementary combinations and their classification, shewing the various modifications of motion (*with constant or variable velocity-ratios*), engagements (*teeth of wheels, &c.*), adjustments.

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 (*Trip, Crank, Steam and Compound*), the Tempering of Steel, Tools, Vise-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, and calculations respecting the speed of Wheels, Pullies, &c.

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 mode 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 amount of apparatus required, and the rapidity with which accurate results may be arrived at, a knowledge of this subject will be found most useful to those engaged in geological or other field-work.

In the Fourth Year a 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, of which a list is given in §XI ?

IV. DESCRIPTIVE GEOMETRY AND SURVEYING.

Professor :—C. H. McLEOD, MA.E.

Descriptive Geometry.

SECOND YEAR.—(1) *Linear Drawing.*—Various straight line constructions. Circles. The Conic Sections. Spirals. Involutes. Cycloids and other curves. Practical applications of the foregoing. (2) *Orthographic projection.*—The planes of projection. The projection of points, straight lines, curves and plane figures. The traces of straight lines and planes. The representation of solids, including bodies bounded by planes, and solids of revolution. The penetration of solids and the development of their surfaces. Sections of solids. Helices and screws. Tangent planes and normals.

THIRD YEAR.—(1) *Orthographic projection*, (Continued). (2) *Spherical projections.*—Orthographic projections of the sphere. The construction of maps, including Mercator's and Flamstead's methods. The graphical determination of spherical triangles. (3) *Isometric projections.* (4) *Shades and Shadows.*—Shadows of points and lines. Brilliant points. Practical problems. (5) *Mathematical Perspective.*—The picture plane and the eye. The perspective of points and lines. Vanishing points and measuring points. Vanishing lines of planes. The perspective projection of solids. Vanishing points of rays of light and of projections of rays. The perspective of shade and shadow.

Surveying.

This course is designed to afford the Student such instruction as will enable him to be of immediate service upon entering the office of an Engineer or Surveyor, and to qualify him to pass all the examinations prescribed in this subject by the Dominion and Provincial Boards of Land Surveyors.

The course of instruction will be as follows :—

SECOND YEAR.—Chain Surveying. Compass urveying. 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 and the best methods of calculating areas, both from the plot and directly from the notes.

In addition to the above this Class will, under the personal supervision of the Professor, make a Chain urvey of a tract of country. Each Student will be required to plot the survey from his own notes.

THIRD YEAR.—Topography. Methods of Setting out Work. Indirect and Barometric Levelling. Hydrographic Surveying. Spherical Surveying. Practical operations in the Field.

FOURTH YEAR.—Field operations.

Note.—The Field Operations undertaken by the Students of the 2nd, 3rd and 4th years will comprise a contour survey and an angular survey of a piece of ground ; the location of a line of road, including the making of preliminary surveys, the ranging of curves, the tracing, levelling and setting out of the line selected ; an Hydrographic Survey,—of which the two latter are done on alternate years. The Students of the 2nd and 3rd years will be required to prepare maps and sections from notes taken, by themselves, in the field.

V. CHEMISTRY.

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

A course of forty-five lectures, illustrated by experiments, is given to all Students of the First Year on the properties and preparation of the Non-Metallic and Metallic Elements, and many of their compounds, the laws of Chemical Combination by weight and volume, the Atomic Theory, Chemical Formulæ and Equations, characteristics of Acids, Bases and Salts, Compound Radicals, &c.

In the Second and Third Years additional instruction will be given to Students of the Mining and Chemistry Courses in the construction of apparatus, preparation of gases, &c.

VI. PRACTICAL CHEMISTRY.

Professor :—GILBERT P. GIRDWOOD, M.D.

This course will be conducted in the Laboratory of the Medical Faculty, and will be specially designed for Chemistry tudents of the Third and Fourth Years. It will include instruction in the method of Qualitative and Quantitative Analysis

of Inorganic and Organic Bodies, Fractional Distillation, determination of Boiling Points, Melting Points, &c.

Students taking these subjects are supposed to have already obtained, in the earlier years of their course, a preliminary knowledge of the use of the Balance, Determination of Specific Gravities, Construction of Apparatus, Preparation of Gases, &c.

VII. GEOLOGY.

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

Assistant Professor :—B. J. Harrington, B.A., Ph.D.

Second Year.—A preliminary Course in Zoology, with special reference to Fossil Animals.

Third Year.—Mineralogy, Lithology, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

Fourth Year (Mining Students only).—Special Studies in Mineralogy and Lithology, Advanced Course in General Geology and Palæontology, Geology of Canada, Practical Geology and Field-work.

VIII. MATHEMATICS AND MATHEMATICAL PHYSICS.

Lecturer :—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, books 1, 2, 3, 4, 6, with definitions of book 5. (2) Theories of *Loci, Transversals* and *Harmonic Division.* (3) *Algebra,* to Progressions. (4) *Plane Trigonometry*, including heights and distances, and the use of Logarithms. (5) Elements of *Solid Geometry*, with elementary mensuration of surfaces and solids. (6) *Geometrical Conic Sections.* The parabola and fundamental properties of the ellipse and hyperbola.

Second Year.—(1) *Continuation of Algebra.* Progressions. Infinite series. Indeterminate coefficients. Binomial and exponential theorems. Theory of Logarithms. (2) *Analytical Geometry.* Tracing of curves. Determination of Equations. Transformation of co-ordinates. The straight line, circle, and conic sections. (3) *Differential and Integral Calculus.* Differentiation and integration of functions of one variable. Successive differentiation. Maclaurin's Theorem. Applications to Maxima and Minima and to Geometry. (4) *Mechanics.* The triangles, parallelograms and polygons of velocities, accelerations, and forces. Change of units. Inertia. Work and energy. Laws of motion. Motion in a straight line, parabola and circle. Equilibrium of forces in one plane. Friction. Centres of gravity. Action of forces in machines. Moduli of machines. Equilibrium and pressure of liquids. Pumps, Hydraulic Cranes and Presses.

THIRD YEAR.—(1) *Spherical Trigonometry*. Deduction of formulæ for the solution of spherical triangles, and for the spherical excess. (2) *Practical Astronomy*. Diurnal motion. Refraction. Parallax. Principal methods used in the determination of Azimuth, Latitude, Longitude and Time. (4) *Mechanics*. Pressure and equilibrium of gases. Various problems in Mechanics.

For Advanced Students :—Continuation of Analytical Geometry and Calculus with applications to Mechanics.

IX. EXPERIMENTAL PHYSICS.

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

The lectures will embrace 1 :—*Light*.—Theories.—Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarisation. 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 Applications to Telegraph, &c. 4 :—*Magnetism*. 5 :—*Sound*.—Theory of Undulations.—Production and Propagation of Sound.—Vibrations of Strings, Rods, and Plates.—Vibration of Fluids.—Musical Sounds.—Text-book : GANOT'S TREATISE on Physics, translated by Atkinson. This Course extends over two years.

The subjects for the Session 1881–82 are Light and Heat.

X. ENGLISH LANGUAGE AND LITERATURE.

Professor :—VEN. ARCHDEACON LEACH, D.C.L., LL.D. (Molson Professor of English Language and Literature.)

Associate Professor :—CHARLES E. MOYSE, B.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

XI. FRENCH OR GERMAN.

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

German :—Professor C. F. A. MARKGRAF, 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.

N.B.—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.

§ X. LIST OF TEXT-BOOKS.

Engineering :—Rankine's Civil Engineering, Rankine's Machinery and Mill work, Rose's Complete Practical Machinist, Shelley's Workshop Appliances.

Applied Mechanics :—Rankine's Applied Mechanics, Downing's Hydraulics, Goodeve's Elements of Mechanism, Willis' Principles of Mechanism.

Steam :—Rankine's Steam Engine, Rigg's Steam Engine.

Descriptive Geometry :—Millar's Descriptive Geometry.

Surveying :—Gillespie's Land Surveying.

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

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

Chemistry.—Wilson's Inorganic Chemistry. Fresenius' Qualitative and Quantitative Analysis.

Mathematics :—Todhunter's Euclid, Todhunter's Algebra, Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Loomis's Analytical Geometry and Calculus, Goodeve's Principles of Mechanics. Chambers's Practical Mathematics.

§ XI. MINING AND METALLURGICAL MODELS.

1. MAN-ENGINE.—This is a large working model shewing two forms of the so-called Man-Engine, or Fahrkunst, for raising and lowering miners in deep mines. The Fahrkunst generally consists of two strong beams or rods of wood to which platforms are attached at intervals for the men to stand upon. The rods are suspended in the shaft, and a reciprocating motion communicated to them from a steam-engine or water wheel. When a miner wishes to ascend, he simply steps upon the lowest platform; the rod then rises for, say, twelve feet, and the man steps on to a platform on the opposite rod which lifts him another twelve feet, and so on until the surface is reached.

2.—BORING TOWER AND BORING TOOLS.—A model of a form of Boring-tower which has been extensively employed in Belgium, where boring operations have been carried on with great success. It is supplied with Kindt's free-falling apparatus, an ingenious contrivance for preventing the concussion from the chisel being communicated to the rods above. There are also models of several varieties of tools such as are used in extracting broken rods from bore-holes.

3.—VERTICAL SHAFT WITH PUMPS, MAN-ENGINE, HOISTING APPARATUS, &c.—This large and beautiful model shows the way in which shafts are timbered and divided into different compartments for hoisting, for man-engine, ladder-way and pumps. It is provided with two large overshot water-wheels, supposed to be placed at a considerable distance from the surface, and affording the necessary power for hoisting as well as for working the pumps and man-engine. The ore is raised in two wooden skips supplied with guides, the one ascending while the other descends.

4.—VERTICAL SHAFT WITH PUMPS AND MAN-ENGINE.—Somewhat similar to No. 3, but having only one water-wheel and no hoisting apparatus.

5.—MODEL SHEWING THE UNDERGROUND WORKING OF A MINE.—By means of this beautifully constructed model an idea may be easily obtained of the ordinary methods of working metalliferous veins of moderate thickness. It shows both shaft and galleries, different methods of timbering and walling, and exploitation by *overhand* and *underhand stoping*.

6.—TIMBERING.—Three models illustrating the partial and complete timbering of galleries.

7.—WALLING.—Three models illustrating the walling of galleries with bricks.

8.—TRAM-WAGGON.—Model of a waggon such as is used in many of the English mines. The box is of wood, strongly bound with iron; the wheels are of iron, and turn upon axles which are specially designed for use on roadways with sharp curves.

9.—SKIP.—Model of a wooden skip or box for raising ore in a vertical shaft.

10.—SKIP.—Model of a wooden skip for hoisting ore in an underlie shaft.

11.—KIBBLE.—Model of a wooden kibble or bucket for raising ore.

12.—HORSE WHIM.—Model of a form of horse-whim once extensively used in the Saxon mining regions. The principle is the same as in the case of the ordinary whim so frequently seen in Cornwall, but the details are more elaborate, as it was originally designed for permanent hoisting.

13.—HARTZ VENTILATOR OR AIR PUMP.—A simple but useful contrivance employed in the mines of the Hartz for temporary ventilation while shafts are being sunk or levels driven.

14.—STAMP BATTERIES.—Working model of three batteries of stamps for stamping ores, gold-bearing quartz, &c. Stamps like this model are employed in some parts of Europe, but those used in this country differ from it considerably.

15.—STOSSHEERD OR SHAKING TABLE.—A machine extensively used in different parts of the world for the separation of ores from the gangue or useless material with which they are commonly associated.

16.—ROTATING BUDDLE.—Like the last, a machine largely used for the concentration of ores.

17.—SLIME BOX OR TRENCH.—A kind of wooden box used for the concenration of " slimes " or pulverized ores.

18.—PATTINSON'S CONCENTRATING APPARATUS.—Model of one of the iron pots and accompanying heating apparatus used in Pattinson's process for the extraction of silver from lead.

19.—BELGIAN ZINC FURNACE.—This is an exact model of furnaces used in Belgium and elsewhere for the extraction of zinc from its ores by distillation in retorts. It shows not only the arrangement of the retorts but also the details of the heating apparatus.

20.—BLAST FURNACE.—This is a model of a blast furnace, the stack of which is supposed to be constructed of masonry. It is made in two sections so that

the Student may obtain a view of the details of the interior. The lining, hearth flues for tapping off the waste gases, &c., are admirably shewn.

21.—REVERBERATORY FURNACE.—Model of an English Reverberatory Furnace made in two sections so as to shew the details of the interior.

§ XII. MECHANICAL MODELS.

The collection of working Models in this Department is illustrative of

(1). The Steam Engine showing the characters of
    (*a*). Horizontal, Vertical, Locomotive and Marine Engines.
    (*b*). Link-motion and reversing gear.
(2). Various form of parallel motion.
(3). Link-work, as employed to produce,—(*a*). Alternate intermittent motion. (*b*). Rotatory and Oscillatory motions with varying velocities. (*c*). Variable motion. (*d*). The motion of a Mortising Machine. (*e*). The motion of a Combination of Hooke's Joint. (*f*). The motion of two parallel axes connected by side-rods. (*g*). Whitworth's quick return motion. (*h*). Boehm's motion of two parallel shafts. (*i.*) The conversion of circular into linear motion.
(4). Rolling and sliding contact, as shewn by
    (*a*). Conical toothed-wheel and toothed cone on Romer's principle.
    (*b*). Skew-bevils.
    (*c*). Worm-wheel and worm.
    (*d*). Face-plates with cross grooves.
    (*e*). A Punching Machine.
    (*f*). Shifting Slides and Cams to show the different forms and actions of plain cams and tappets.
    (*g*). A model illustrating the various conditions of wrapping contact.
    (*h*). A double rack and segmental toothed wheel producing reciprocating motion.
    (*i*). Non-circular wheels.
    (*j*). Spur wheels with Epycycloidal teeth.
    (*k*). The motion of a Mangle-wheel.
    (*l*). A set of excentric and elliptic toothed wheels.
    (*m*). A triple toothed rack producing reciprocating motion.
    (*n*). The hoop and pin wheel producing intermittent motion.
    (*o*). A combination producing continuous slow motion.
    (*p*). The silent click.
    (*q*). A model illustrating the principle of Calculating Machines.

The School possesses a valuable set of Surveying and Engineering Instruments which Students make use of during the Session, when engaged on Field-work.

LECTURES IN THE FACULTY OF APPLIED SCIENCE.

YEARS.	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
FIRST YEAR.	9		Mathematics (*a*) French (*b*)		Mathematics (*a*) French (*b*)	Mathematics.
	10	Mathematics.		French.		
	11	English.	French (*a*)	English.	French (*a*)	English.
	12	Chemistry.	German.	Mathematics.	German.	Chemistry.
	2				Prac. Chem.	
	3				Do	
	4				Do	
SECOND YEAR.	9	French.	Materials.	German.	Practical Hydraulics.	French. German.
	10	Mech. Work.	Botany.		Botany. Mathematics.	German.
	11	Mathematics.	Zoology.	Math. Physics		Math. Physics.
	12		Exp. Physics.	French. German.		English.
	2	Surveying. Prac. Chem.	Mechanism.	Surveying.	Drawing. Prac. Chem.	Mechanism.
	3	Drawing.	Drawing.	Drawing.	Do	Drawing.
	4	Do	Do	Do	Do	Do
THIRD YEAR.	9	App. Mech.	Materials.	Geology. Machinery.	Practical Hydraulics.	Geology.*
	10	Geology Mech. Work.	French.	Mathematics.	French.	Geology.
	11	App. Mech. (Advanced.)	German.		German.	
	12	Math. Physics	Exp. Physics.		Exp. Physics.	Math. Physics.
	2	Prac. Chem. Drawing.	Drawing.	Drawing. Blowpipe Analysis.	Prac. Chem. Drawing.	Drawing.
	3	Surveying.	Drawing. Mining.	Surveying	Drawing.	Do
	4	Drawing.	App. Mech.	Drawing	Do	App Mech.
FOURTH YEAR.	9	Geology.*	Materials	Designing	Practical Hydraulics.	Geology.*
	10	Construction.	Designing.	Do	Construction.	
	11	App. Mech. (Advanced.)	Do	Do	Appl. Mech. (Advanced.)	
	12	App. Mech. (Advanced.)	Do	Geology.*		
	2	Assaying. Designing.	Hydraulics.		Assaying. Designing.	Hydraulics.
	3	Designing.	Steam.		Assaying. Designing.	Steam.
	4	Designing.	App. Mech.	Metallurgy.	Designing.	App. Mech.

(*a*) After Nov. 18th.   (*b*) Until Nov. 18th.   * For Mining Students only.

Field work for Students of the 2nd Year on Mondays, Tuesdays, Wednesdays and Thursdays, for Students of the 3rd Year on Mondays, Wednesdays and Thursdays, during the months of September and October.

Faculty of Medicine.

THE PRINCIPAL (ex-officio).

Professors :—CAMPBELL,   Professors :—DRAKE,
     SCOTT,   GIRDWOOD,
     WRIGHT,   ROSS,
     HOWARD,   OSLER,
     McCALLUM,   RODDICK,
     CRAIK,   GARDNER.
     FENWICK,

Dean of the Faculty.—G. W. CAMPBELL, A.M., M.D., LL.D.

Registrar.—W. OSLER, M.D.

Demonstrator.—FRANCIS J. SHEPHERD, M.D.

Assistant-Demonstrator.—R. L. MACDONNELL, B.A., M.D.

The forty-ninth Session of the Medical Faculty of McGill University will be opened on Saturday, October 1st, 1881, with a general Introductory Lecture at 11 a.m. The regular lectures will begin on Monday, October 3rd, at the hours specified in the time-table, and will be continued during the six months following.

The Medical College, a large and substantial building situated within the University Grounds, contains two spacious class rooms, Students' waiting-room, Library, Museum, Laboratories, together with a large and well-furnished Dissecting-room.

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.

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) *That if natives of Ontario, and if they wish to obtain the license of the Medical Board of that Province, they must pass the Preliminary Examination prescribed by that Board.* (2) *If natives of the Province of Quebec, they must pass the Matriculation Examination of the Quebec Medical Board. In either case the examination should be passed in the Spring. Both of these are accepted by the University, and a Student who has passed either of them is admitted to study without further examination.* (3) *Natives of the Maritime Provinces and of the United States, if they have not already passed the Matriculation Examination of a recognized University, must present themselves for the University Matriculation.*

(a) *University Matriculation Examination.*

This examination is the same as that recommended by the Medical Council of Great Britain. Examinations in conformity therewith will be held the last Saturday in March and the first Saturday in October of each year. Applications may be made to the Registrar of the Faculty 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.

* The ability of the candidate will be fully tested in the following :—" (1) To write sentences in English on a given theme, attention being paid to spelling and punctuation as well as to composition ; (2) to write correctly from dictation ; (3) to explain the grammatical construction of sentences ; (4) to point out the grammatical errors in sentences ungrammatically composed, and to explain their nature ; and (5) to give the derivation and definition of English words in common use."

TEXT-BOOKS.—Latin,—Cæsar, Commentaries, Bk. I.; or Virgil, Æneid, Bk. I.

GREEK.—Xenophon, Anabasis, Bk. I., or equivalent.

FRENCH.— Charles XII., Two Books.

NATURAL PHILOSOPHY.—Ganot's Physics.

Graduates in Arts of recognized Universities are not required to submit to the Matriculation Examination, and a certificate of having passed this Examination before the College of Physicians and Surgeons of Ontario or of Quebec will be accepted by this University.

(b) *Matriculation Examination of College of Physicians and Surgeons of the Province of Quebec.*

The subjects of examination are as follows :—

Compulsory Subjects :—English, French, Latin, Arithmetic, Algebra, Euclid, History, Geography, Belles-Lettres.

Optional Subjects :—Candidates can select any one of the following :—Greek, Natural and Moral Philosophy.

The Examinations will be held upon Thursday, the 22nd of September, 1881, at Quebec, and on Thursday, the 4th of May, 1882, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half 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," and the first session must be attended during the year immediately succeeding the Matriculation Examination.

(c) *Matriculation Examination of the College of Physicians and Surgeons of the Province of Ontario.*

The following are the latest regulations of the Ontario Medical Board respecting this Examination :

" On and after July 1st, 1881, 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 the Official Certificate of having passed the High School Intermediate

Examination, with Latin included, whereupon he shall be entitled to be so registered upon the payment of twenty dollars, and giving proof of his identity.

The said Examination to embrace the following subjects :

Compulsory :

a. ARITHMETIC, ALGEBRA and EUCLID.

b. ENGLISH GRAMMAR, COMPOSITION and DICTATION.

c. HISTORY, GEOGRAPHY and ENGLISH LITERATURE.

d. NATURAL PHILOSOPHY, CHEMISTRY and BOOK-KEEPING.

e. LATIN.

And one of the following :—

Optional :

a. GREEK.

b. FRENCH.

c. GERMAN.

Graduates in Arts, or Students having Matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass this Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications, and upon paying (after July 1st, 1881) the fee of Twenty Dollars."

It is held on the first Tuesday and Wednesday of April, at Toronto.

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, and procure from the Registrar a ticket of Enregistration, for which each Student shall pay a fee of $4 ; excepting in the Clinical Classes, in which enregistration for Students of other Schools shall not be compulsory.

The said Register shall be closed on the last day of October in each year, and no tickets obtained from any of the Professors shall be received without previous enregistration.

Enregistration in the Summer Session is compulsory upon all Students, whether attending one or more of the Classes.

III.

COURSES OF LECTURES.

1 Anatomy.—[Prof. Scott.]—The importance of Anatomy, both descriptive and in its relation to Medicine and Surgery, is duly considered by the Professor, who employs chiefly the fresh subject in the illustration of the lectures, aided, however, by dried preparations, wax models, plaster casts of dissections, plates, &c., the full size of life.

2 Practical Anatomy—[Drs. Shepherd and MacDonnell.]—Special attention is devoted to this important branch, 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 Demonstrators' hours are from 10 to 12 a.m., and 8 to 10 p.m. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., 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. Material provided under cost.

3 Chemistry.—[Prof. Girdwood.]—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 Professor, among which may be enumerated, a powerful Air Pump—Oxy-Hydrogen Microscope—Polariscope—extensive series of Models of Crystals, Electrical and Galvanic apparatus, steam engine, &c., &c.

4 Practical Chemistry—[Prof. Girdwood.]—Thorough instruction is given in the different departments of Practical Chemistry in the Laboratory of the Faculty under the personal supervision of the Professor. The course includes blow-pipe manipulations, qualitative and quantitative analysis, toxicological investigations, &c., &c. This class may be taken in the Summer Session.

5 Institutes of Medicine.—[Prof. Osler and Assistant.]—Embraced in this course are the following classes :—

(*a*) **Physiology**, comprising,

(1) A full course of didactic lectures upon the structure and functions of the various organs of the body in health. The lectures are illustrated by fresh preparations, diagrams, plates and models, and, when practicable, by experiments.

(2) Practical demonstrations held every Saturday from 2 to 4 p.m. In this class a complete series of histological preparations is exhibited and explained. Specimens illustrative of physiological anatomy and practical physiology are also shown, and the Students invited to propound and discuss any questions which may not have appeared clear to them.

(3) Practical Histology—normal and pathological.   A course of 25 lessons—Microscopes, re-agents and material provided.   This course is generally held during the Summer Session, but will also be conducted during the Winter if a class of 10 Students be formed.   It comprises thorough instruction in the use of the Microscope and the preparation of the tissues, each Student preparing for himself during the course a cabinet of 100 or more specimens.

(b) **Pathology,** comprising,

(1) A limited number of lectures on General Pathology, which are included in the systematic course on the Institutes.

(2) Pathological Demonstrations—weekly—Saturday, 11 a.m. This course is based upon, and conducted, as far as possible, in the same way as that of Prof. Virchow, at the Berlin Pathological Institute.   Specimens of all kinds are collected throughout the week, kept until Saturday, and then brought before the class, when practical comments are made upon them.   An idea of the amount of material at command may be gathered from the fact that over 150 fresh pathological specimens, illustrative of almost all the common forms of disease, were laid before the class during the past session.

(3) Instruction in Post-Mortems—The Autopsy Room of the General Hospital is in charge of the Professor, and the post-mortems are performed by the Students in rotation, under his supervision.   System and thoroughness in inspection are insisted upon, the method followed being that of Virchow.   As far as possible, attention is drawn to the Medical Anatomy of the thoracic and abdominal organs. In connection with this class, aided by the Professor of Medical Jurisprudence, two Coroners' Inquests will be conducted during the Session before the class, and the Medico-legal aspects of post-mortems dwelt upon.

6 Materia Medica.—[Prof. Wright.]—In this course the ordinary Medicines officinal in the British Pharmacopœia are taken up in classes according to their chief actions, and described under the various heads peculiar to Pharmacology. The Therapeutics of each are fully detailed, under the effects that follow from different doses. Those from toxic or over-doses are added, together with the mode of treatment, etc.   The course is illustrated from a cabinet of the various drugs and their preparations, and the plates of Wagner, Roque, Stevenson and Churchill are also shewn.   Analytical experiments with the ordinary re-agents are exhibited.

7 Theory and Practice of Medicine.—[Prof. Howard.]—While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, the department of General Pathology in this University being included in the Institutes of Medicine, 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 diseases of the body, not described from the chairs of Surgery and Obstetrics, are discussed, and their Pathological Anatomy illus-

trated 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.

8 Clinical Medicine.—[Prof. Ross.]—Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given by 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 use of the microscope, the value of the thermometer and ophthalmoscope, etc., 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.

9 Surgery.—[Prof. Fenwick.]—Divided into Principles and Practice, including Surgical Anatomy and Operative Surgery, exhibited on the subject. The various surgical instruments and apparatus are exhibited, and their uses and applications explained and practically illustrated.

10 Clinical Surgery.—[Prof. 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 taken charge of by the Teacher on alternate days, when the reports of the Clinical clerks are read and criticized, and fresh cases 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, etc. Major operations are performed in the spacious theatre attached to the Hospital, which is so admirably constructed that the most distant can generally obtain a fair view of the operation. This is also used as a Lecture Room by the Clinical Professors. All of the recently invented appliances for the treatment of Surgical disease have been introduced into the Hospital, prominent among which is a complete outfit of Lister's Antiseptic Apparatus, so that this excellent method of treating wounds is now almost universally adopted.

11 Midwifery.—[Prof. McCallum.]—Including diseases of women and children, illustrated by a series of drawings on a large scale, by humid preparations, by models in wax, by the use of the artificial Pelvis, and by cases in the wards of the Lying-in-Hospital.

12 Medical Jurisprudence.—[Prof. Gardner.]—This course includes *Insanity*, to which a good deal of attention is devoted, 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 Spectroscopical tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shown by the Sorby-Browning Micro-spectroscope, so well adapted for showing 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.

13 Hygiene and Public Health.—[Prof. Gardner.]—A three months' course of Lectures will be delivered on this subject, the attendance upon which is now compulsory.

14 Ophthalmology and Otology.—[Dr. Buller.]—Will include a course o lectures on diseases of the Eye and the Ear, both Didactic and Clinical. In the former the general principles of diagnosis and treatment 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.

15 Botany and Zoology.—[Prof. Dawson.]—The Course in Botany is illustrated by specimens, diagrams, models, and the microscope. Students have access without any additional fee to the lectures in Zoology in the Faculty of Arts, and to the Natural History Museum of the University and the Museum of the Natural History Society of Montreal.

16 Helminthology.—A course of six lectures on the Parasitic Diseases of Man and the Domestic Animals. (Prof. Osler.) The life history and development of the Entozoa, together with the diseases caused by them, are fully considered. The lectures are illustrated by a series of beautiful diagrams, and by fresh and prepared specimens.

The following are 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 the classes of Clinical Medicine and Clinical Surgery, in which three bedside demonstrations and one Clinical Lecture shall be given ; and in that of

Medical Jurisprudence, 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 a Lecture.

4th. A roll of the names of the Students attending each 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 shall be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not either :—1st, have attended Lectures for a period of at least four six months' sessions in this University, or some other University, College, or School of Medicine, approved of by this University; or, 2ndly, have studied medicine during at least four years, and during that time have attended Lectures for a period of at least three six months' Sessions, either in this University, or some other University, College, or School of Medicine approved of by this University.

2nd. Candidates for the Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz :—

Anatomy. *Chemistry.* *Materia Medica and Pharmacy.* *Institutes of Medicine.* *Principles and Practice of Surgery.* *Midwifery and Diseases of Women and Children.* *Theory and Practice of Medicine.* *Practical Anatomy.* *Clinical Medicine.* *Clinical Surgery.*	*Of which two Courses will be required of six months' duration.*
Medical Jurisprudence.	*Of which one Course of six months' or two Courses of three months' will be required.*
Practical Chemistry. *Botany or Zoology.* *Hygiene.*	*Of which one Course will be required of three months' duration.*

And a Course of not less than twenty-five Demonstrations upon Microscopic Anatomy, Physiology, and Pathology.

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

3rd. The Candidate 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 have 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 accouchement.

5th. No one shall 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.

7th. Every Candidate for the Degree must, on or before the fifteenth of February, present to the Dean of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Dean 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.

8th. The trials to be undergone by the candidate shall be such as are referred to under Section V.

9th. 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, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

10th. The Fee for the Degree of Doctor of Medicine and Master of Surgery

shall be twenty dollars, to be paid by the successful candidate immediately after examination, together with a Registration fee of one dollar.

11th. The money arising from the fees of Graduation, as well as those of Enregistration, shall be applied to the enlargement of the Medical Library and Museum, and to defraying their expenses.

V.

EXAMINATIONS.

In each class a weekly examination is 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 :

1st Year—Sessional Examination.

ANATOMY.—Bones, Ligaments, Muscles, Viscera.

PHYSIOLOGY.—The Tissues, Blood, Circulation, Respiration, Digestion.

CHEMISTRY.—*Chemical Physics.*—Molecular Forces ; Heat, Light, Electricity, and Magnetism.

Chemical Philosophy.—Laws of Combination ; Nomenclature ; Symbolic Notation ; Classification of Elements.

MATERIA MEDICA.—Preparation, Characters, and Adulterations of Medicines.

PRACTICAL ANATOMY.—Bones, Ligaments, Muscles, Viscera.
BOTANY.

2nd Year—Primary, Pass Examination.

ANATOMY.

PRACTICAL ANATOMY.

PHYSIOLOGY.

CHEMISTRY.

PRACTICAL CHEMISTRY.

MATERIA MEDICA.

3rd Year—Sessional Examination.

MEDICAL JURISPRUDENCE WITH TOXICOLOGY.

HYGIENE.*

MEDICINE.—Classification of diseases. Pathology of Zymotic diseases. Continued, periodical and eruptive fevers. Constitutional diseases. Diseases of Kidney.

SURGERY.—Surgical Pathology, Wounds, Fractures, Dislocations.

MIDWIFERY.—Organs of generation of the female, and changes in them which result from conception. Signs of Pregnancy—Diseases of Pregnancy—Pelvis and its deformities.—Mechanism of Labor.

4th Year—Final Pass Examination.

MEDICINE.

SURGERY.

MIDWIFERY.

CLINICAL MEDICINE.

CLINICAL SURGERY.

MEDICAL ANATOMY.

SURGICAL ANATOMY.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, an equitable division is made between the Primary and Final branches.

It was not thought advisable that Students should *pass* finally on important subjects of the Primary branches at the end of the first year, hence the second year examination embraces the whole range of the Primary subjects, and the same holds good for the Final branches in the 3rd and 4th Year, with the exception of Medical Jurisprudence and Hygiene, which may be finally passed at the end of the 3rd Year.

The Sessional Examinations at the close of the 1st and 3rd Years are compulsory upon all Students, and they will be rated according to merit.

*May be taken at the end of the Second Year.

F

With regard to the Primary Examination at the end of the 2nd Year, it remains optional with the Student whether he passes in all .the branches or leaves two for the 3rd Year. In any case, Chemistry and one other must be taken at the close of the 2nd Year.

VI.

SCHOLARSHIPS, 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.

2nd. A prize in books awarded for the best examination, written and oral, in the Final Branches. The gold medallist 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 Scholarship of the value of $100, presented by Mr. David Morrice, tenable for one year, given to the Student who passes the best theoretical and practical examination in the Institutes of Medicine.

A prize in books for the best examination in Practical Anatomy.

A prize in books for the best examination in Botany.

A money prize of $25 for the best collection of Plants. Candidates must be Students in Botany of the previous Session, and the collections or duplicates of them must remain in the College Museum.

VII.

FEES.

Distributed according to years, the class fees are as follows:

FIRST YEAR.

Anatomy $12 00
Institutes of Medicine (Physiology and Pathology, including
    Demonstrations) 16 00
Materia Medica... 12 00

Chemistry	12 00
Botany	5 00
Practical Anatomy	10 00
Dissecting Material	5 00
Enregistration	4 00
Total	**$76 00**

SECOND YEAR.

The same, without Botany, but with Hygiene, $6, and Practical Chemistry, $12—Total............................. $89 00

THIRD YEAR.

Medicine	$12 00
Clinical Medicine	12 00
Surgery	12 00
Clinical Surgery	12 00
Midwifery	12 00
Med. Jurisprudence	10 00
Enregistration	4 00
Total	**$74 00**

FOURTH YEAR

The same with the omission of Jurisprudence—Total.......... $64 00

HOSPITAL FEES.

Montreal General Hospital, Perpetual Ticket	$20 00
University Dispensary	5 00
University Lying-in-Hospital	8 00
	$33 00

Graduation Fee.. $21

Matriculation Fee, payable only if the Student takes the University Matriculation.. $5

Total Collegiate and Hospital expenses, spread over four years, about...... $375

First Year Students are advised to take out the Hospital ticket, and attend the out-door practice.

It is to be understood that a Student wishing to take any other class than those of his year can do so on payment of the class fee.

Fees are payable in advance.

VIII.

TEXT BOOKS.

ANATOMY.—Gray, Wilson, Sharpey and Quain.

PRACTICAL ANATOMY.—Heath's and Ellis' Dissectors, Holden's Dissector and Landmarks.

CHEMISTRY.—Fownes, Miller, Roscoe.

PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.

MATERIA MEDICA.—Pereira's Manual by Farre, Bently, and Warrington.

INSTITUTES OF MEDICINE.—*Physiology.*—Foster, (Am. Edit.) Kirke's Hand-Book, Dalton, Huxley. *Pathology.*—Green, Virchow on Post-Mortems, Orth's Compendium.

PRACTICAL HISTOLOGY.—Rutherford, Schafer.

SURGERY.—Holmes' Surgery, Erichsen, Druitt, Bryant.

PRACTICE OF MEDICINE.—Flint, Roberts, Bristowe, DaCosta.

MEDICAL JURISPRUDENCE.—Taylor's Jurisprudence, Guy and Ferrier's Forensic Medicine, Woodman & Tidy's Handbook, Maudsley on Insanity, Shepherd's Lectures on Madness.

MIDWIFERY.—Churchill, Ramsbotham, Cazeaux, Leishman, Playfair.

HYGIENE.—Parks, Hammond, Wilson.

IX.

MUSEUM.

Most of the usual Pathological Specimens are collected here, obtained from Hospital and private practice. They are largely used in illustrating the lectures on Medicine and Surgery. There are also wax and papier-mache models.

Graduates of the University are invited to contribute specimens.

X.

LIBRARY.

This comprises between six and seven thousand volumes, including all the standard text-books and works of reference, together with

complete files of the leading periodicals. Students may obtain books on making a deposit of $4.00, which is refunded on returning the volumes. During the past year the Library has been thoroughly gone over, a card-catalogue prepared, and many new works added.

XI.

McGILL 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.

XII.

COST OF LIVING, &c.

This will, of course, vary with the tastes and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good Board may be obtained from $14 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.

XIII.

HOSPITALS.

MONTREAL GENERAL HOSPITAL.

The Montreal General Hospital affords ample means for the instruction of Students in Clinical Medicine and Surgery. The daily number of beds occupied by patients averages from 140 to 150, and during epidemic visitations has reached a much higher number. The Governors have also erected a Hospital for Children, contiguous to the Reid Wing of the present building. The Students have thus an opportunity of becoming familiar with nearly all the diseases of suffering humanity, and with the peculiarities imparted to them by infancy, adolescence, maturity and declining age.

The large number of out-door patients that are treated in the Hospital, averaging from sixty to seventy daily—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 Dr. Buller, 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.

The shipping contributes many examples of accidents and surgical cases.

CLINICAL CLERKS to 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 Out-door attending Physicians.

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.

About 10,000 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 12–2 daily.

UNIVERSITY LYING-IN HOSPITAL.

This is under the direction of the Professor of Midwifery. Students who have already attended one course of his lectures are furnished with cases in rotation ; they are advised to attend this Institution as much as possible during the summer, when, since there are as many patients and not so many pupils as in winter, a larger proportion of cases falls to the share of each.

The Assistant to the Professor of Midwifery attends each case, and gives instruction to the students in the methods of examination and the diagnosis of presentations.

UNIVERSITY DISPENSARY.

This Dispensary was established two years ago for special clinical instruction in Diseases of Women ; this year special clinics have been established at the same place, for diseases of children and for diseases of the skin.

Diseases of Women.—The difficulty of affording to senior students practical instruction in gynæcology is felt in most schools, as women will not present themselves for examination before a large class of men. The plan followed for the past two years with marked success has been the limitation of the number of students to two or three, in rotation, who assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæ-

cological instruments. The attendance is on Tuesdays, Thursdays and Saturdays, 1–4 p.m.

Diseases of Children.—The clinic is on Tuesdays, Thursdays and Saturdays at 11 a.m., when the patients are seen and instruction given on the cases.

Diseases of the Skin.—The Surgeon in charge will attend every Monday and Friday at 2 p.m. Arrangements will be made whereby a limited number of Students can be present on each occasion. The department will be under the direct supervision of the Professor of Clinical Surgery.

XIV.

PAST SESSION.

The total number of students enregistered in this Faculty during the past year was 168, of whom there were, from-—

Ontario,	79	New Brunswick,	9
Quebec,	48	P. E. Island,	5
Nova Scotia,	5	Newfoundland,	1
Manitoba,	1	West Indies,	1

United States, 19.

The following gentlemen 36 in number, have passed their Primary Examination on the following subjects : Anatomy, Practical Anatomy, Chemistry, Practical Chemistry, Materia Medica and Pharmacy, Institutes of Medicine and Botany or Zoology. Their names and residences are as follows :

Allen, Clarence E........................East Farnham, Q.
Bangs, Edson C.........................Faribault, Minn.
Bonesteel, S. A.........................Columbus, Neb.
Bowser, James C.........................Kingston, N.B.
Brown, C. O.............................Lawrenceville, Q.
Cameron, C. E...........................Montreal, Q.
Cameron, J. W...........................Montreal, Q.
Cattenach, Angus M.....................Dalhousie Mills, O.
Clarke, H. J...........................Pembina, Dakota.
Cousins, W. C..........................Ottawa, O.
Derby, W. J............................North Plantagenet, O.
Deardan, George A......................Richmond, Q.
Gardner, J. J..........................Beauharnois, Q.

Grant, James A., B.A .... Ottawa, O.
Gray, James .... Brucefield, O.
Hanvey, Chas. B. H .... Cleveland, Ohio.
Hopkins, Joseph A .... Cookshire, Q.
Harrisson, J. H .... Moulinette, O.
Howard, Robt. J. B., B.A .... Montreal, Q.
Jack, W. D. Brydone, B. A .... Fredericton, N.B.
Kelly, P. N .... Rochester, Minn.
Lathern, John S .... Yarmouth, N.S.
Loring, J. B .... Sherbrooke, Q.
McCorkill, Robert K .... Montreal, Q.
Musgrove, Wm. J .... West Winchester, O.
Muckey, Floyd S .... Medford, Minn.
O'Brien, T. Pierce .... Worcester, Mass.
Page, T. A .... Brockville, O.
Poaps, Allen P .... Osnabruck Centre, O.
Rutledge, And. J .... Bayfield, O.
Rutherford, Clarendon, M.A .... Waddington, N.Y.
Scott, Walter McE .... Winnipeg, Man.
Sihler, George A .... Simcoe, O.
Smith, E. W., B.A .... West Meriden, Conn.
Stewart, Andrew .... Howick, Q.
Thompson, W. E .... Harbour Grace, Nfld.

The following gentlemen, 38 in number, have fulfilled all the
requirements to entitle them to the degree of M.D., C.M., from the
University. These exercises consist in examinations, both written
and oral, on the following subjects : Principles and Practice of Sur-
gery, Theory and Practice of Medicine, Obstetrics and Diseases of
Women and Children, Medical Jurisprudence and Hygiene,—and
also Clinical Examinations in Medicine and Surgery conducted at the
bedside in the Hospital :

Bonesteel, S. A .... Columbus, Neb.
Brown, T. L .... Ottawa, O.
Cameron, Paul .... Lancaster, O.
Carson, J. H .... Port Hope, O.
Cormack, W .... Guelph, O.
Feader, H. C .... Iroquois, O.
Fraser, H. D .... Pembroke, O.
Fielde, E. C .... Prescott, O.
Grey, W. L .... Pembroke, O.
Gordon, C. M .... Ottawa, O.
Harvie, J. B .... Ottawa, O.
Heyd, H. E .... Brantford, O.

Higginson, H. A.............................L'Orignal, O.
Houston, D. W...............................Belleville, O.
Hunt, J. J....................................London, O.
Josephs, G. E...............................Pembroke, O.
Lang, W. A.................................St. Marys, O.
Laurin, E. J.................................Montreal, Q.
Lunam, Henry, B.A........................Wakefield, Q.
Macdonald, R. T. ....Montreal, Q.
McGannon, E. A...........................Prescott, O.
McKenzie, Kenneth ....Richmond, Q.
Mewburn, Frank H........................Drummondville, O.
Moore, W ....Owen Sound, O.
Perks, W. C................................Port Hope, O.
Reynolds, T. W............................Brockville, O.
Rogers, E. J................................Peterboro, O.
Ross, James, B. A..........................Dewittville, Q.
Ross, J. W..................................Winthrop, O.
Serviss, T. W...............................Iroquois, O.
Shanks, J. C................................Huntingdon, Q.
Shufelt, W. A...............................Brome, Q.
Smith, E. H.................................Montreal, Q.
Stephen, W.................................Montreal, Q.
Struthers, A. D.............................Philipsburg, Q.
Trueman, J. E..............................Woodstock, N.B.
Wagner, G. C...............................Dickinson's Landing, O.
Williams, J.................................London, O.

Of the above named gentlemen W. Cormack is under age. He has, however, passed all the examinations, and fulfilled all the requirements necessary for graduation, and only awaits his majority to receive his degree.

Mr. H. A. Higginson, of L'Orignal, was unable on account of illness to present himself.

Messrs. James Ross, E. J. Laurin, K. McKenzie, and A. D. Struthers, natives of the Province of Quebec, have fulfilled all the requirements for graduation, but await the completion of four years from the date of passing the matriculation before receiving the degree.

The following have passed in Hygiene :—

E. C. Bangs,	W. T. Duncan,	A. J. Rutledge,
C. O. Browne,	W. H. Drummond,	C. Rutherford, M.A:
J. W. Cameron,	C. B. Hanvey,	Alex. Shaw,
Lorne Campbell,	R. J. B. Howard, B.A.,	H. W. Thornton, B.A.
A. M. Cattenach,	T. J. Pierce O'Brien,	W. E. Thompson,
Edmund Christie,		

The following have passed in Medical Jurisprudence :—

E. C. Bangs,
C. O. Brown,
J. W. Cameron,
A. M. Cattenach,
E. Christie,
Lorne Campbell,
W. H. Drummond,

R. Dawson, B.A.,
W. T. Duncan,
J. A. Grant, B.A.,
Hugh Gale,
B. F. W. Hurdman,
C. B. Hanvey,
R. H. Klock,
H. W. Thornton, B.A.

J. M. McLean,
T. Pierce O'Brien,
Henry O'Keefe,
H. V. Ogden, B.A.,
W. Prendergast,
A. P. Poaps,
Alex. Shaw,

The following have passed in Anatomy :—

W. G. Henry,
J. R. Johnson,
J. W. McLean,

O. Martel,
J. C. Meahan,
S. S. C. Phippen,

W. R. Ross,
E. S. Wood.

The following have passed in Practical Anatomy :—

W. G. Henry,
O. Martel,

J. C Meahan,
J. R. Johnson,

E. S. Wood.

The following have passed in Chemistry :—

J. Bennett, B.A.,
W. G. Henry,
J. R. Johnson,
J. W. McLean,
A. McLeod,

J. J. Maher,
O. Martel,
J. C. Meahan,
James Park,
S. S. C. Phippen,
S. F. Wilson, M.

L. D. Ross,
W. K. Ross,
J. M. Scott,
G. R. Sheriff,
W. A. Smith,
E. S. Wood.

The following have passed in Institutes of Medicine (Physiology and Pathology):—

W. A. Drummond,
W. G. Henry,
J. W. McLean,

J. J. Maher,
James Park,
S. S. C. Phippen,

W. K. Ross,
L. D. Ross,
W. A. Smith.

The following have passed in Materia Medica :—

J. Bennett,
J. J. Maher,

O. Martel.
J. C. Meahan,

L. D. Ross,
Arch. McLeod.

The following have passed in Botany:—

CLASS I.

G. A. Graham,
E. Gooding, } Equal—Prize.

S. E. Brown,
W. Porteous,

Isaac M. McLean,
W. S. Renner,

F. D. Walker,	E. J. Elderkin,	J. R. McInerney,
W. K. Ross,	T. B. Davies,	T. O'Brien,
D. A. Cameron,	W. G. Johnston,	J. Menzies,
J. A. Duncan, } Equal.	S. S. C. Phippen,	H. E. Smyth,
E. W. Smith, }	James L. Addison,	N. J. McDonald,
	W. G. Henry.	

CLASS II.

J. McKenzie,	William Bell,	J. H. Landor,
J. C. Sharp,	A. W. Haldimand,	A. McNeil,
W. W. Doherty,	J. H. Joliffe,	J. C. Hutchison.

CLASS III.

J. W. McLean,	J. P. St. Germain,	W. Nelson,
H. W. Allen,	J. A. Barrett,	E. H. Smith,
C. H. Johnson,	G. H. Duncan,	W. P. Bunnell,
J. H. B. Allan,	William H. Klock.	

XV.

MEDALS, PRIZES AND HONOURS.

THE HOLMES GOLD MEDAL FOR THE BEST EXAMINATION IN THE PRIMARY AND FINAL BRANCHES was awarded to James Ross, B.A., Dewittville, Q.

THE PRIZE FOR THE BEST FINAL EXAMINATION was awarded to John L. Ross, of Winthrop, Ont. The Gold Medallist is not permitted to compete for this prize.

THE PRIZE FOR THE BEST PRIMARY EXAMINATION was awarded to R. J. B. Howard, B.A., of Montreal.

THE SUTHERLAND GOLD MEDAL was awarded to C. E. Cameron, of Montreal.

The following gentlemen, arranged in the order of merit, deserve honourable mention :—

In the Final Examination, Messrs. Perks, Heyd, Laurin, Josephs, Grey, Shufelt and Rogers.

In the Primary Examination, C. E. Cameron, W. L. Lathern, W. McE. Scott, and J. J. Gardner.

Professors' Prizes.

Botany.—First Prize, G. A. Graham, of Hamilton, Ont., and E. Gooding, of Barbadoes, W. I., equal.

For the best Collection of Plants, J. C. McRae, of Port Colborne, O., and J. C. Meahan, of Bathurst, N.B., Equal.

Practical Anatomy.—Demonstrator's Prize, awarded to C. E. Cameron, of Montreal.

ORDER OF LECTURES.—FACULTY OF MEDICINE.

WINTER SESSION 1881-82.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
A.M. 9	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Hygiene.
10	Medical Jurisprudence.	Surgery.	Medical Jurisprudence.	Surgery.	Medical Jurisprudence.	Botany.
	Surgery.	Botany.	Surgery.	Botany.	Surgery.	
	Practical Chemistry.	Practical Chemistry.	Practical Chemistry.	Practical Chemistry.	Practical Chemistry.	
11	Midwifery.	Midwifery.	Midwifery.	Midwifery.	Midwifery.	Pathological Demonstration
	Out-door Patients. Montreal General Hospital.	Out-door Patients. Montreal General Hospital.	Out-door Patients. Montreal General Hospital.	Out-door Patients. Montreal General Hospital.	Out-door Patients. Montreal General Hospital.	
P.M. 12.45	Clinical Medicine, Wards.	Clinical Surgery, Wards.	Clinical Lecture, Surgery.	Clinical Surgery, Wards.	Clinical Lecture, Surgery.	Clinical Lecture, Medicine.
1.45			Clinical Medicine, Wards.		Clinical Medicine, Wards.	Clinical Surgery, Wards.
2	Materia Medica.	Materia Medica.	Materia Medica.	Materia Medica.	Materia Medica.	Histo'logical Demonstration 1st year.
3	Physiology.	Physiology.	Physiology.	Physiology.	General Pathology.	Physiological Demonstration, 2nd year.
4	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	Practice of Medicine.	
5	Chemistry.	Chemistry.	Chemistry.	Chemistry.	Chemistry.	
8.10	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	

☞ The Demonstrator's Hours in the Dissecting Room are from 10-12 a. m., 8-10 p.m.

☞ Autopsies are performed at the General Hospital between 12 and 2 p.m. Due notice is given to the students.

Faculty of Law.

THE PRINCIPAL (Ex-officio.)

Professors :—LAFLAMME.	Professors :—RAINVILLE.
CARTER.	ARCHIBALD.
KERR.	LAREAU.
TRENHOLME.	HUTCHINSON.
WURTELE.	ROBIDOUX.

Lecturer :—HART.

Dean of Faculty.—Professor WM. H. KERR, Q.C., D.C.L.

Registrar of the Faculty.—J. S. ARCHIBALD, M.A., B.C.L.

Corporation Examiners for Degrees.—Professors N. W. TRENHOLME, M.A. B.C.L., and EDMOND LAREAU, B.C.L.

Matriculation Examiners of the Faculty.—Professors J. S. ARCHIBALD, M.A., B.C.L., and EDMOND LAREAU, B.C.L.

The Classes in Law will commence on Monday, the Third of October, 1881, and will extend to March 31st, 1882.

The Examinations will be held in the William Molson Hall, McGill College Building, from 4 to 6 p. m., on the 9th, 10th, 13th, 14th, 15th, 16th and 17th days of March, 1882.

The Lecture Rooms of the Faculty are situated in the Molson's Bank Chambers, in St. James street.

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 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.

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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.

FIRST YEAR.

Legal History..	Professor LAREAU.

Civil Law :—

Persons..	
Property....................................... }	Professor ROBIDOUX.
Ownership	

Roman Law :—

Institutes of Justinian, B. I...................	
Gaius, C. I..................................... }	Professor TRENHOLME.
Maine, Chapters I. to IV.......................	

Civil and Commercial Law :—

Obligations....................................	Professor WURTELE.

Civil Procedure :—

Introduction...................................	Professor HUTCHINSON.
Criminal Law......................................	Professor ARCHIBALD.

Notarial Course :

Theory and Practice of Notarial Deeds and Proceedings .... }	Lecturer HART.

SECOND YEAR.

Legal Bibliography.............................	

Civil Law :—

Rents	
Transaction .... }	Professor LAREAU.
Suretyship	

Civil Law :—

Usufruct.......................................	
Real Servitudes................................	
Gifts and Wills................................ }	Professor ROBIDOUX.
Substitutions..................................	

International Law...............................	
Civil and Commercial Law :—	Professor KERR.
Sales..	

Roman Law :—

Institutes of Justinian, B. II. and B. III. to Title 14	
Gaius, Chaps. II. and III....................... }	Professor TRENHOLME.
Maine, Chapters V. to VIII.....................	

Commercial Law :—
Partnership ....⎫
Corporations ....⎬ Professor WURTELE.
Bills of Exchange...................⎭

Civil Procedure :—
First Part.......................... Professor HUTCHINSON.

Criminal Procedure and Election Law :—........ Professor ARCHIBALD.

Notarial Course :—
Theory and Practice of Notarial Deed and Pro-⎫
ceedings..⎬ Lecturer HART.
⎭

THIRD YEAR.

Civil Law :—
Privileges and Hypothecs................⎫
Prescription..........................⎬ Professor LAREAU.
Imprisonment in Civil Cases...........⎭

Civil Law :—
Successions ....⎫
Marriage Covenants.................⎬ Professor ROBIDOUX.
Dower..............................⎭

International Law..........................⎫
Commercial Law :—   ⎪
Carriage of Persons....................⎬ Professor KERR.
Insurance..............................⎪
Bottomry and Respondentia..............⎭

Roman Law :—
Institutes of Justinian, B. II. from Title 14....⎫
Maine, Chapters IX. and X................   ⎪
Civil Law :—   ⎪
Mandate................................⎬ Professor TRENHOLME.
Loan...................................⎪
Deposit................................⎪
Pledge.................................⎪
Evidence................................⎭

Commercial Law :
Merchant Shipping.....................⎫
Affreightment.........................⎬ Professor WURTELE.
Insolvency............................⎭

Civil Procedure.............................⎫
Second Part.............................⎬ Professor HUTCHINSON.

Criminal Procedure and Election Law........... Professor ARCHIBALD.

Notarial Course :—
Theory and Practice of Notarial Deeds and Pro-⎫
ceedings..⎬ Lecturer HART.
⎭

FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student, shall apply to the Dean of the Faculty 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. (Students are requested to call on the Registrar, who will furnish them with the necessary forms.)

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.

II. MATRICULATION IN THE FACULTY OF LAW.

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 ; † La Logique de Port Royal ; † Cousin, Histoire 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 of 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 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 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.

(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. At the end of every Session 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 pos-

sible to the Faculty, which shall decide the general standing of the students accordingly.

9. Each Professor shall deliver at least two Lectures in each week. Each Lecture shall be of one hour's duration; but the Professors shall have the right from time to time to substitute an examination for any such Lectures.

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 particula 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 approved 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 February 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 Examination, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to 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 exigible in this Faculty are as follows :

Matriculation Fee...	$ 5 00
Sessional Fee by Ordinary Students...........................	20 00
Sessional Fee by Occasional or Partial Students, for each course........	5 00
Graduation Fee, including Diploma and Case.....................	10 00
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 deed 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 examinations in the notarial class, and failure to pass such examination shall have the same effec 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-five octavo pages of printed matter, and possessing such a 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 Laws ; Fœlix, Droit International Privé.

(2) *Roman Law :—*

Gaii Commentarii, IV. ; Pauli Sententiæ ; Pomponii Fragmentum de origine juris D. 1. 2. ; Novellæ Justiniani, cxviii. cxxvii. ; Ortolan, Institutes 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.

(4) *Philosophy of Law :—*

Ahrens, Cours de Droit Naturel ; Austin, Jurisprudence ; Markby, Elements of Law ; Maine, Ancient Law.

(5) *Droit Civil et Commercial :—*

Pothier, Obligations, Vente et Communauté ; Marcadé, Obligations, Vente et Communauté ; Pardessus, Droit Commercial.

The Examination will be written and oral ; and translation from the Latin, French or English texts, as well as familiarity with the subject, will be required·

University School Examinations.

1882.

UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE.

FOR CERTIFICATES OF THE UNIVERSITY 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 satisfactory guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls, under 18 years of age, from any Canadian School, under the following regulations :

Subjects of Examination.

1. These are divided into two Classes, (I) *Preliminary*, consisting of those in which every Candidate must pass ; and (II) *Optional*, consisting of those in which the Candidate may have a choice.

2. The Preliminary subjects, with their values severally, are :—

English Reading .... 30 *Marks*
English Dictation .... 40 do
English Grammar (as in Morell or Smith) .... 50 do
Arithmetic (all the ordinary rules) .... 90 do
Geography (acquainted with the maps of each of the four Continents, and of British North America) .... 50 do
British History (as in Collier), and *Canadian History* (as in Jeffers) .... 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.

Additional marks, not exceeding 20, may be allowed in the Dictation paper, for quality of handwriting.

No candidate can pass unless he shall have obtained at least *one-third* of the total number of marks in each of the above subjects, except Reading and Dictation, in which *two-thirds* will be required.

3. The Optional subjects are divided into three sections as follows :—

(1) Languages.

Latin.

Grammar.
Cicero, Pro Archiâ.
Virgil, Æneid, Bk. II.
Ovid, Fasti, Vss. 1–300.
} 150 marks.

Greek.

Grammar.
Xenophon, Anabasis, Bk. I.
Homer Iliad, Bk. VI.
} 150 do

French.

Grammar.
Extracts from Molière, in Darey's French Reader.
Translation from English into French (Vicar of Wakefield, chaps. 1 and 2).
} 100 do

German.

Grammar,
Adler's Reader, Section II.
Translation from German into English.
} 100 do

(2) Mathematics, Natural Philosophy, &c.

Geometry.

Euclid, I, II, III .... 150 do

Algebra.

Elementary Rules, Involution, Evolution, Fractions, Simple Equations.
} 150 do

Plane Trigonometry.

Measurement of Angles, Trigonometrical Ratios of a single angle and of two angles, Complemental and Supplemental Angles, and the Solution of Right-angled Triangles.
} 100 do

Natural Philosophy.

Mechanics and Hydrostatics (as in any ordinary School Text-Book).
} 100 do

Geometrical and Freehand Drawing .... 100 do

(3) English.

The English Language.

Philology (as in Smith's or Mason's Grammar and Peile's Primer).
Trench's Study of Words.
} 100 do

English Literature.

English Literature, Primer by S. A. Brooks
Scott's Lady of the Lake.
Milton's Paradise Lost, Books 1 and 2.
} 100 do

Additional Marks, not exceeding 50, may be allowed in the literature paper for quality of Composition.

History.—(As in Primers of Greece and Rome, and Collier's Great
events) ....100 marks.
Geography.—Physical, Political and Commercial.............100 do

Instead of passing in one or more subjects of the English Section, Candidates may, if they prefer it, pass in one or more of the following subjects :—

(4) **Natural Science**.

Zoology (as in Nicholson's Introductory Text-Book)...........100 do
Botany (as in Gray's " How Plants Grow ").................100 do
Geology (as in Dana's Text Book)......................100 do
Chemistry (as in Miller's Introduction to Inorganic Chemistry)..100 do

General Regulations.

Every Candidate must pass in at least one, and not more than three, subjects in each of the Optional Sections.

No Candidate will be considered as having passed in any of the above Optional Subjects unless he has obtained *at least one-third* of the total number of Marks obtainable in that subject.

Any Candidate who passes in more than one subject of any section, and who in at least one of those subjects obtains *more than half* the total number of Marks, will be entitled to a Certificate of creditable answering in that subject.

The total number of Marks gained by every Candidate, including both Preliminary and Optional Subjects, shall be added up, and the Candidates arranged in a printed list, at the close of the Examination, in the order of these totals. No Marks in any subject shall be counted unless the Candidate has gained at least the minimum number of Marks in that subject.

Candidates passing in at least two languages of Section 1st, one of them being Latin or Greek, shall receive Senior certificates. Candidates passing in any one Language of Section 1st, may receive Junior certificates. Candidates who have fulfilled the requirements for the Junior certificate, and have also taken at least half the Marks in Arithmetic, Geometry, and Algebra, and have passed in Trigonometry and in one Natural Science subject, or in two Modern Languages, shall be entitled to Senior certificates.

Candidates taking Senior Certificates shall be termed Associates in Arts.

Every Candidate shall present a certificate of character, and also a certificate from his parent or guardian that his age on the first day of the examination does not exceed eighteen years.

In the case of those who pass in Latin, Greek, English, Algebra and Geometry, the examination will be received as the Matriculation Examination in the Faculties of Arts of the two Universities. In the case of those who have passed in Geometry, Algebra and English, the examination will be received for Matriculation in the Faculty of Applied Science of McGill University.

Candidates who fail, or who may be prevented by illness from completing

their examinations, may come up at the next examination without extra fee, unless in the interval they have become disqualified by age, this disqualification not to apply in cases of illness duly certified by medical authority.

The Examinations will be held in the following order :—

1. *Preliminary Subjects.*—(June 1.) Geography ; Gospels. (2) English Grammar ; Reading, Dictation ; (5) Arithmetic ; British and Canadian History.
2. *Optional Subjects.*—(June 6) Geometry ; French. (7) Latin, Natural Science. (8) Greek ; German. (9) English Literature ; History. (11) Algebra ; Natural Philosophy, Trigonometry. (12) English Language ; Geography.

Hours of Examination, 9 a.m. and 2 p.m.

Lists of the names, ages, and Optional Subjects to be taken by the candidates, together with the fee of $4, 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.)

CLASSICAL SUBJECTS FOR 1883.

Latin :—

Cæsar, Gallic War, Bk. IV., ch. 20 to 36 ; Bk. V., ch. 8 to 23.
Cicero, pro Archiâ.
Virgil, Aeneid, Bk. V.

Greek :—

Xenophon, Anabasis, Bk. II.
Homer, Iliad, Bk. VI.

Regulations for the Higher Examination of Women.

UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE.

Women over sixteen years of age, who have already received the Senior or Junior Certificates of the University, or who present certificates of education and examination accepted as equivalent by the Examiners, may enter on the following Examinations, and, on passing the same, shall be entitled to Certificates as Senior Associates in Arts.

The Examinations will be held at the same time and in the same manner with those for School Certificates, and local centres may be established on similar conditions.

The Examinations are divided into Imperative and Optional, as follows :—

I. IMPERATIVE.

These subjects consist of the following groups, in each of which every candidate will be required to take at least one-third of the number of marks.

(a) Latin or Greek, with History.

Latin and History.—

    Tacitus :—Germania.
    Cicero :—Pro Murena.
    Virgil :—Æneid, Book VI.
    Latin Prose Composition.—Text-book :—Dr. Smith's Principia Latina, Parts
        IV. and V.
    History of Rome.—Text-book :—Liddell's History of Rome.

——200 marks.

Greek and History.—

    Homer :—Odyssey, Book XII.
    Xenophon :—Hellenics, Book I.
    Lysias :—Contra Eratosthenem.
    History of Greece.—Text- book :—Dr. Smith's History of Greece.

——200 marks.

Candidates may take either Greek or Latin.

(b) Mathematics.

Arithmetic.
Euclid, Bks. I. II. III. IV., Defs. of Bk. V., Bk. VI., omitting Props. 27,
    28, 29.

Algebra, inclusive of Surds, Quadratic Equations and Progressions.

Plane Trigonometry, including the measurement of Heights and Distances, with the nature and use of Logarithms.

————200 marks.

(In the last subject, Candidates are referred to Galbraith and Haughton's Trigonometry, or similar text-books.)

(c) Logic and English.

Logic, as in Jevons, Elementary Lessons.

Anglo-Saxon, as in Earle's Manual.

Philology, as in the introduction to Earle's Philology.

English History, as in Collier.

————200 marks.

II. OPTIONAL.

In addition to the above, Candidates must pass in at least one, and not more than three, of the following subjects, creditable answering in which will be mentioned in their certificates :

(a) Chemistry.

Inorganic, as in Roscoe, with some knowledge of Chemical Manipulation.

(b) Botany.

As in Gray's Text-book, with some knowledge of Canadian Botany.

(c) Mathematical Physics.

Mechanics (Statics and Dynamics) ; Hydrostatics.

(Candidates are referred to Galbraith and Haughton's Mechanics and Hydrostatics, Hamblin Smith's Statics and Hydrostatics, or similar Text-books.)

(d) Experimental Physics.

Any two of the following :—Heat, Light, Electricity and Magnetism, Sound.

(Candidates will be expected to shew in the Examinations that they have made the experiments themselves or have seen them made. For range of study, Candidates are referred to Ganot's Elementary Treatise on Physics, translated by Atkinson.)

(e) Biology and Geology.

Classification of Animals and Plants, as in Dawson's Handbook and Gray's Text-book.

Geology, as in Dana's Manual.

Palæontology, as in Nicholson's Manual.

A practical knowledge of Minerals, Rocks and Fossils will be expected.

(f) Mental Philosophy.

Thomson's Outlines of the Laws of Thought.

Murray's Outline of Hamilton's Philosophy, Introduction and Part I. to the end of Chapter V.

(g) English Literature and Ancient History.

Chaucer—Prologue to Knight's Tale.
Shakspere—Macbeth and Merchant of Venice.
Ancient History of the East—Lenormant and Chevallier.
History of Greece and Rome (if not taken in the Imperative), as in Smithand Liddell.

(h) French Language and Literature, with Ancient History.

French Syntax, as in De Fivas or Noel et Chapsal.
Molière, les Femmes savantes.
Racine, les Plaideurs.
Souvestre, un Philosophe sous les toits.
French Literature of the 17th and 18th centuries, as in Nisard, Précis de l'Histoire de la Littérature française.
Translation from English into French.
With History, as under (*g*).

(i) German Language and Literature, with Ancient History.

General Questions on Grammar (Schmidt's German Guide, Parts 2 and 3).
Account of the Life and Principal Works of Goethe and Schiller, with a special study of Schiller's " Maria Stuart."
Adler's Progressive Reader, Nos. 5, 6, 8, 9, 12, 14 of Sec. IV.
Translation from English into German.
With History, as under (*g*).

(k) Greek or Latin with History.

If not taken in the Imperative part of the Examination.

In the Optional Subjects, the Examinations held under the Ladies' Educational Association of Montreal, when held by Professors or Examiners of either University, and certified in writing by them as equivalent to subjects stated above, may be accepted by the Examiners in any subject or portion of a subject.

In any of the Optional Subjects, Candidates must receive at least one-third of the marks in order to pass, and at least one half to receive mention of creditable answering.

(It is understood that the Optional Subjects will be reckoned as approximately of equal value.)

Successful Candidates will be arranged in the lists in the order of the aggregate of the marks which they have obtained in the whole of the Imperative Subjects and one only of the Optional.

The Fee for the Examination is eight dollars, and must be paid before the Examination. In case of failure, the Candidate may come up at the next Examination without additional fee.

Candidates are required to state in writing to the Secretary of either University the Optional Subject or Subjects in which they propose to be examined, at least one month before the date of the Examination.

𝕸c𝕲ill 𝕹ormal School

1881-82.

GOVERNMENT OF THE SCHOOL.

Under the Regulations for the establishment of Normal Schools in the Province of Quebec, the Superintendent of Education is empowered to associate with himself, for the direction of one of these Schools, the Corporation of McGill University, Montreal. In accordance with this arrangement, the Provincial Protestant Normal School is affiliated with the McGill University, and the following members of the Corporation of the University constitute the Committee of the Normal School for the Session of 1881-82.

NORMAL SCHOOL COMMITTEE.

J. W. DAWSON, LL.D., F.R.S., C.M.G., Vice-Chancellor of the University, *Chairman.*

HON. JAMES FERRIER, Senator,
HON. F. W. TORRANCE, M.A., B.C.L. } Governors of McGill College.

REV. GEORGE CORNISH, LL.D.,
J. R. DOUGALL, M.A., } Fellows of McGill University.

WILLIAM CRAIG BAYNES, B.A., *Secretary.*

OFFICERS OF INSTRUCTION.

WILLIAM HENRY HICKS, ESQ.—*Principal and Ordinary Professor of English Language and Literature.*

JAMES McGREGOR, LL.D.—*Ordinary Professor of Mathematics, and Instructor in Classics,*

SAMPSON PAUL ROBINS, LL.D.—*Associate Professor of Natural History.* (*)

PIERRE J. DAREY, M.A., B.C.L.—*Associate Professor of French.*

MR. HARRINGTON BIRD.—*Instructor in Drawing.*

* Prof. Robins will also deliver lectures on the Art of Teaching to the Elementary Class.

MR. R. J. FOWLER.—*Instructor in Music.*

MR. JOHN ANDREW—. " in *Elocution.*

J. BAKER EDWARDS, Ph.D.—*Lecturer on Chemistry and Natural Philosophy* †

FRANK W. HICKS, M.A.—*Assistant Professor of History and English Language and Literature.*

ANNOUNCEMENT FOR NEXT SESSION.

This Institution is intended to give a thorough training to teachers, especially for the Protestant population of the Province of Quebec. 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.

The Twenty-fifth Session of this School will commence on the first of September, 1881, and will terminate on the first of July, 1882.

The complete course of Study extends over three 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.

1. *Conditions of admission and obtaining Diplomas.*

Candidates for admission into the Elementary School Class will be required to pass an examination in Reading, Writing, the Elements of Grammar, Arithmetic and Geography ; and to produce the certificate, and sign the application, referred to in Articles 1 and 2 of the Regulations. Admission into each of the higher classes requires a knowledge of the subjects of the previous one.

Associates in Arts of the University may be admitted into the Elementary and Model School Classes without examination, provided that they have passed in Geometry, Algebra and French.

† Dr. Edwards will also lecture on Agricultural Chemistry.

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In the Examinations for entrance into the Academy Class, the Principal may allow exemptions to Associates in Arts for such subjects as in the examinations for that certificate they may have passed in with credit.

Each Student must produce a certificate of good moral character from the clergyman or minister of religion under whose charge he has last been, and also testimony that he has attained the age of sixteen years. He will also be required to sign a pledge that he purposes to teach for three years in some Public School in the Province of Quebec.

There will be a Semi-sessional Examination at Christmas, which all Students are required to pass, in order to continue in the classes.

At the close of the first year of study, Students may apply for examination for diplomas giving the right to teach in Elementary Schools ; and after two years' study, or if found qualified at the close of the first year, they will, on examination, be entitled to diplomas as teachers of Model Schools.

Students having passed the examination for the Model School Diploma, with creditable marks in Classics and Mathematics, or having otherwise advanced to the requisite knowledge, may go on to the Academy Class, and, on examination, may obtain the Academy Diploma.

Students are expected to give their whole time and attention to the work of the School, and are not permitted to be occupied with any other course of study or business during the sessions of the School.

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2. *Privileges of Students.*

On complying with the above conditions, all Students will be recognized as *Teachers-in-training;* and as such will be entitled to free tuition with the use of text books, and to bursaries in aid of their board, not exceeding $36.00 per annum in the case of those in the two first Classes, or $80.00 in the case of those in the Academy Class, should they be successful in obtaining the diploma at the final examination. A portion of this allowance will be advanced to such Students as are not resident in Montreal, on their passing the semi-sessional examination at Christmas.

Under the regulations subjoined, and with the view of extending the benefits of the School to all parts of the country, those who

reside at a distance of more than ninety miles from the city of Montreal will also be entitled to a small allowance for travelling expenses, proportionate to the distance.

Students resident in Montreal may share in the bursary fund, on producing certificates from their Ministers or clergymen that such aid is absolutely necessary to their continuing in attendance at the school.

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 Students may be connected.

No boarding-house is attached to the institution, but every care will be taken to insure the comfort and good conduct of the Students in private boarding houses approved by the Principal. Board can be obtained at from $10 to $14 per month.

The Prince of Wales Medal and Prize will be given to the Student taking the highest place in the Model School Class, provided that such Student shall attain to the standard fixed by the Regulations of the Council of Public Instruction for this Medal.

The Marquis of Lorne Medal will be given to the Student taking the highest place in the Classical and Mathematical subjects of the Academy class, and passing creditably in the other subjects.

The J. C. Wilson Prize of $40 and a Book, contributed by him as a former Student of the School, will be offered for competition to the candidates for the Elementary Diploma, and will be given for the highest aggregate number of marks.

All the preceding regulations and privileges apply to female as well as to male students.

Persons holding the degree of B.A. or M.A. of any University in the Province of Quebec, may receive the Academy Diploma, on passing an examination in the art of teaching, and in such other subjects necessary to the Academy Diploma as may not have been included in their University Examinations.

3: *Course of Study.*

1. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating those who may be unable to enter at the commencement of the Session, or 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 26th.

(*Entrance examination as stated above.*)

English.—Grammar and Composition ; so far as to parse syntactically and write correctly a few short descriptive sentences Text-Books : Bullion's Grammar and Parker's Progressive Lessons) ; Reading and Spelling, Etymology, Penmanship, Elocution.

Geography.—So far as to have a good acquaintance with the Map of the World.

History.—Outline of Sacred and Ancient History.—History of Canada. Text-Books, White and Hodgins.

Arithmetic.—Simple and Compound rules, Properties of Numbers, Scales of Notation. Text-Book : Sangster's Arithmetic.

Algebra.—The Elementary rules as in Todhunter's Algebra.

Geometry.—First Book of Euclid.

Art of Teaching.—The Physical, Mental and Moral Constitution of Children.

Physics.—The Chief Forces of Nature, Properties and States of Bodies, Solids, Liquids and Gases.

French.—Brachet's Elementary French Grammar, Easy reading and translation. Text-Books : Brachet's Elementary French Grammar ; Darey, Lectures françaises, Dominion Phrase Book.

Natural History.—Botany as in Gray's Text-Book.

Drawing.—Elements and simple outlines.

Music.—Vocal Music with Part Songs.

SECOND TERM. January 1st to April 1st.

Pupils entering at the commencement of this term will be expected to pass a satisfactory examination in the subjects of the previous term.)

English.—Grammar and Composition, so far as to be able to analyse simple and complex sentences, and to write correctly a short essay on a familiar subject. —Elocution continued.

Geography.—So far as a good acquaintance with the physical features and political divisions of the great continents.

History.—England and France.   Ancient History.

Arithmetic.—Vulgar Fractions.   Proportion and Per-centage.

Algebra.—Simple Equations.

Geometry.—Second Book of Euclid.

Art of Teaching.—General Methods of Education.

Physics.—Motion.   Vibration.   Heat and Light.

French.—Grammar continued; including Reading, Translation, Oral and Written Exercises.

Natural History.—Continued.

Drawing.—Landscape, etc., in Pencil.

Music.—Elements of Vocal Music, and Part Songs.

THIRD TERM.   April 1st to July 1st.

(Pupils entering at the commencement of this term will be expected to pass a satisfactory examination in the subjects of the previous terms.)

English.—Advanced Lessons, Grammar, and Composition, Elocution continued.

Geography and History.—Advanced Lessons, with use of Globes, and recapitulation of previous parts of the course.

Arithmetic.—As applied to Mensuration; and general recapitulation.

Algebra.—Simple Equations of two and three unknown quantities.

Geometry.—Recapitulation and Deductions.

Art of Teaching.—School arrangements.

French, Natural History, Physics, Drawing and Music.—Continued as in the previous term.

Religious Instruction will be given throughout the Session.

2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

(Students entering this Class must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without any definite division into terms.).

English.—Principles of Grammar and Composition, Style. History of the English Language. Lectures on English Literature. Elocution.

Geography. — Mathematical. Detailed course of Political and Physical Geography.

History.—Mediæval and Modern, with special reference to the History of Literature, Science and Art, and Colonization and Commerce.

Education.—Advanced course of Lectures on Educational Subjects.

Arithmetic.—Logarithmic, Algebraic and Geometric Arithmetic. Recapitulation of Commercial Arithmetic and Book-keeping.

Algebra.—Quadratic Equations. Ratios and Progression.

Geometry.—Third, Fourth and Sixth Books of Euclid. Application to Mensuration.

Object Lessons.

Chemistry and Natural Philosophy.—Affinity, Laws of Combination, Principal groups of Salts, Electricity and Electrolysis, Mechanical Physics.

Classics.— Elements of the Latin Language, as in Bryce's 1st Latin Reader.

French.—Brachet's Elementary French Grammar. Translation from French into English, and from English into French ; Darey, Lectures françaises, Dominion Phrase Book.

Agricultural Chemistry.—Principles, and application to Canadian Agriculture.

Drawing.—Figures from the Flat and from Models. Elements of Perspective.

Music.—Instrumental Music, Part Songs, and Rudiments of Harmony.

Religious Instruction throughout the Session.

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3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

(Students entering this Class must have passed a creditable examination in the subjects preparatory to the Course of Study.)

English Literature.—An advanced course.

History and Geography.

Logic and Ethics.—As in Abercrombie's Intellectual and Moral Philosophy.

Mathematics.—Trigonometry. Solid Geometry and Mechanics :—Galbraith and Haughton.

Latin.—Sallust, Catiline ; Virgil, Æneid, Book VI. ; Latin Prose Composition, Roman History.

Greek.—New Testament, John's Gospel ; Xenophon, Anabasis B. I. ; Grammar and History.

French.—As in the Model School class.

Elocution.

Drawing.

Education and object Lessons. In the case of students who have not already attended the lectures in these subjects.

EXTRACTS FROM THE REGULATIONS.

Special Regulations for the admission of Teachers-in-training.

Article First.—Any person desirous of being admitted as a Teacher-in-training, must apply to the Principal of the Normal School, who, on his producing an extract from the Register of Baptisms, or other evidence, showing that he is full sixteen years of age, with the certificate of character and conduct required by the 6th article of the General Rules and Regulations, approved by His Excellency the Governor-General in Council, on the 22nd December, 1856, shall examine the candidate.

If upon his 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 Education, 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 notice thereof shall be given to the Principal.

Article Third.—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*.

Article Fourth.—Every Teacher-in-training, on passing the examination, will be allowed a sum not exceeding $36 to assist in paying his board. (*)

Article Fifth.—Every Teacher-in-training 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 ten dollars *per annum*.

Article Sixth.—The total amount of allowances paid to Teachers-in-training under the foregoing articles shall not exceed $1,333.33 currency, yearly—that being the sum granted for that object ; and when the whole of this amount is appropriated, such Teachers-in-training as may apply for admission shall not be entitled to any portion thereof until vacancies shall occur.

Special Regulations for Government and Discipline.

Article First.—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.

Article Second.—There shall be no intercourse between the 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.

Article Third.—They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

Article Fourth.—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.

Article Fifth.—Proprietors of boarding-houses authorized by the Principal shall report to him any infraction of the rules with which they may have become acquainted.

Article Sixth.—The Professors shall have the power of excluding from the lectures for a time, any student who may be inattentive to his studies, or guilty of any minor infraction of the regulations.

Article Seventh.—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 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,

Article Eighth.—In addition to punctual attendance at weekly religious in-

* Except in the case of Teachers-in-training for the Academy Diploma, who may receive a sum not exceeding $80.

struction, each Student will be required to attend public worship at his own church, at least every Sunday.

Intending Students may obtain all necessary information on application to the Principal or either of the Professors.

MODEL SCHOOLS OF McGILL NORMAL SCHOOL.

Head Teacher of Boys' School—Frank W. Hicks, M.A.
"   "   Girls' School—Jane A. Swallow.
"   "   Primary School—Lucy H. Derick.

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 Educatiom. Fees Boys' and Girls' Model Schools, 25c. to 40c. per week ; Primary School, 20c. ; payable weekly.

Time Table of McGill Normal School.

SESSION 1881-82.

ELEMENTARY SCHOOL CLASS.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Model School.	Arithmetic.	Model School.	Arithmetic.	Model School.	Elocution.
10	Gymnastics.	Algebra & Geometry.		Algebra.	Gymnastics.	Drawing.
11		Writing.		Geometry.		Singing.
1	Geography.	Model School.	Geography.	Model School.	Grammar.	
2	French.	Elocution.	English Literature.	Elocution.	French.	
3	History.	Nat. Philosophy.	French.	Religious Instruction.	Art of Teaching.	
4	Botany.		Composition.	History.	History.	

MODEL SCHOOL CLASS.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Arithmetic.	Model School.	Algebra.	Model School.	Geometry.	Drawing.
10	Latin.		Latin.		Arith. & Algebra.	Elocution.
11	English Literature.		Singing.			Singing.
1	Chemistry.	Education.	French.	Agricultural Chem'y.	Model School.	
2	Elocution.	Grammar.	Object Lessons.	Geography.	2½ Elocution.	
3	French.	History.		Composition.	3 French.	
4				Religious Instruction.		

ACADEMY CLASS.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Latin.	Model School.	Latin.	Model School.	Latin.	Drawing.
10		Greek.	Mathematics.	Greek.	Latin.	Elocution.
11		Geography.			Mental Philosophy.	Practical Chem'y.
1	Mathematics.	History.	Object Lessons.	Composition.	French.	
2	Elocution.			Religious Instruction.		
3	French.					