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ANNUAL CALENDAR

OF

# M°GILL COLLEGE

# 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 1882-83.

Montreal: PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON. 1882.

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# Goberning Body of the Anibersity.

## 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.

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(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 :-

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

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Ø

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REV. R. W. NORMAN, M.A., D.C.L., Chairman of Protestant Board of School

Commissioners.

R. P. HOWARD, M.D., Acting Dean of Faculty of Medicine.

[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.]

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Arts,

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and Moral Philosophy.

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| Lecturer in Mathematics, Faculty of Applied Science.       | 32 Lorne Avenue.                  |
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| Lecturer on the Theory and Practice of Notarial Deeds and  | d 1602 St. Catherine Street.      |
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| Assistant Demonstrator of Anatomy                          | Tion St. Cathoring Street         |
| WILLIAM R. SUTHERLAND M.D.                                 | 1433 St. Catherine Street.        |
| Curator of the Medical Museum                              | 1200 St. Catherine Street         |
| Officers of the Library                                    | 1390 St. Catherine Street.        |
| WILLIAM MCLENNAN, B.C.L.                                   | 217 Drummond Street               |
| Honorary Librarian.  | 317 Drammond Street.              |
| M. WILLIAM TAYLOR,   | Library McGill College            |
| Assistant Tibrarian  | anonity incom conege.             |

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## General Statement.

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## SESSION OF 1882-83.

The Fiftieth Session of the University, being the Thirtieth 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 the 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. 'Feachers 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 the University regulations, of which copies may be obtained of the Registrar.
- [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.]

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THE HONOI 1744, and d under date 8 City of Mo House and I sand pounds Learning," in the Forty erect and est advancemen number of F beneficial fo comprised in and distingu The value of bequest at.

## THE WILLIAM ings, with th was erected it bears. THE PETER R announced h

THE MOLSON Honorable --\$20,000. THE PETER R path, Esq., THE LOGAN ( and Hart L THE JOHN F 1873, by M THE WILLIAN of the late Ist May, I

## IV.

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## BENEFACTORS OF

## McGill Aniversity, Montreal.

## I. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money, unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College for the purpose of Education and the advancement of learning in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University, should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the abovementioned 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 Honorable 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 OF 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, Ist May, 1882.

## 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 and endowed with the sum of \$25,000, in 1882, by William C. Mc-Donald, Esq.—Annual value, \$1250.

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.

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- 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, 1882.
- 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.
- J. H. BURLAND, Esq. \$100 for a Scholarship in Applied Science, for three years, being \$300.

## 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 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. SU

John Gordon 1 Ira Gould, Est John Frothing John Torrance, James B. Gree William Busby Sir George Sin Henry Thomas John Redpath, James McDoug James Torrance Honourable Jai John Smith, Es Harrison Steph Henry Chapma Honourable Pet John James Day Thomas Brown Peter Redpath, Thomas M. Tay Joseph McKay, Donald Lorn M Honourable Sir

William Molson William C. McI Thomas Workn John Frothingh J. H. R. Molsor John McLennan B. Gibb, Esq... W. Notman, Es

Hugh McLennan G. A. Drummon George Hague, 1 M. H. Gault, Est Andrew Roberts Robert Campbell J. Hickson, Esq., Mrs. Andrew Dc Alexander Murra Miss Orkney.... Hector Mackenzie

#### VII. SUBSC

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1856.

| John Gordon McKenzie, Esq<br>Ira Gould, Esq<br>John Frothingham, Esq<br>James B. Greenshields, Esq<br>James B. Greenshields, Esq<br>Sir George Simpson, Knight<br>Henry Thomas, Esq<br>John Redpath, Esq<br>James McDougall. Esq<br>James Torrance, Esq<br>Honourable James Ferrier<br>John Smith, Esq<br>Harrison Stephens, Esq<br>Henry Chapman, Esq<br>Henry Chapman, Esq<br>Honourable Peter McGill<br>John James Day, Esq<br>Thomas Brown Anderson, Esq<br>Peter Redpath, Esq<br>Thomas M. Taylor, Esq<br>Joseph McKay, Esq<br>Donald Lorn McDougall, Esq | \$2000<br>2000<br>2000<br>1200<br>1200<br>1000<br>1000<br>1000              | Charles Alexander, Esq<br>Moses E. David, Esq<br>Wm. Carter, Esq<br>Thomas Paton, Esq<br>Wm. Workman, Esq<br>Honourable Sir A. T. Galt<br>Honourable Luther H. Holton<br>Henry Lyman, Esq<br>David Torrance, Esq<br>Edwin Atwater, Esq<br>Theodore Hart, Esq<br>William Forsyth Grant, Esq<br>Robert Campbell, Esq<br>James Ferrier, Jr., Esq<br>William Stephens, Esq<br>N. S. Whitney, Esq<br>William Dow, Esq<br>William Dow, Esq<br>William Watson, Esq<br>Honourable Charles Dewey Day<br>John R. Esdaile, Esq | \$600<br>600<br>600<br>600<br>600<br>600<br>600<br>600<br>600<br>600 |
|--|---|---|--|
| William Molson, EsqWilliam C. McDonald, EsqThomas Workman, EsqJohn Frothingham, EsqJ. H. R. Molson, EsqJohn McLennan, EsqB. Gibb, EsqW. Notman, Esq  | \$5000<br>5000<br>5000<br>2000<br>1000<br>600<br>600<br>1881                | T. W. Ritchie, Esq<br>A. & W. Robertson, Esq<br>Messrs. Sinclair, Jack & Co<br>John Reddy, Esq., M.D.<br>Wm. Lunn, Esq.<br>Kenneth Campbell, Esq<br>R. A. Ramsay, Esq<br>William Rose, Esq  | \$600<br>600<br>250<br>100<br>100<br>100<br>50                       |
| Hugh McLennan, Esq<br>G. A. Drummond, Esq<br>George Hague, Esq<br>M. H. Gault, Esq<br>Andrew Robertson, Esq<br>Robert Campbell, Esq<br>J. Hickson, Esq.,& Mrs. Hickson<br>Mrs. Andrew Dow<br>Alexander Murray, Esq<br>Miss Orkney<br>Hector Mackenzie, Esq   | \$5000<br>4000<br>3000<br>2000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1 | O. S. Wood, Esq<br>J. S. McLachlan, Esq<br>J. B. Greenshields, Esq. (London)<br>Warden King, Esq<br>Mrs. Hew Ramsay<br>R. A. Ramsay, Esq<br>H. H. Wood, Esq<br>James Burnett, Esq<br>Charles Gibb, Esq  | 1000<br>1000<br>1000<br>500<br>500<br>500<br>500<br>500<br>500       |
| VII. SUBSCRIPTIONS FO  | R CUI   | RRENT EXPENSES IN 1881-82.  | , 300  |
| Principal Dawson<br>J. H. R. Molson, Esq.<br>George Stephen, Esq.<br>David Morrice, Esq.<br>Messrs. Gault Brothers & Co.<br>Messrs. A. S.& S. H. Ewing & Co<br>Hon. Robert Mackay.<br>Jonathan Hodgson, Esq.   | \$ 1000<br>1000<br>200<br>200<br>200<br>300<br>100                          | Being \$<br>Per annum, 5 years being \$<br>"""""""""<br>""""""<br>"Per annum, 2 years, being<br>Per annum, 5 years, being   | 1000<br>5000<br>5000<br>1000<br>1000<br>1000<br>600<br>500           |

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| Thomas Craig, Esq     | 100 | Per annum, 5 years, being | 500 |
|-----------------------|-----|---------------------------|-----|
| Geo. M. Kinghorn, Esq | 100 |                           | 500 |
| John Rankin, Esq      | 200 | Being                     | 200 |
| John Duncan, Esq      | 200 | "                         | 200 |
| Robert Benny, Esq     | 100 | "                         | IO  |
| Miss E. A. Ramsay     | 100 | "                         | IO  |
| Hugh Paton, Esq       | 50  | For 2 years, being        | IO  |
| George Brush, Esq     | 25  | For 5 years, being        | 12  |
| J. M. Douglas, Esq    | 50  | Being                     | 59  |
| James Court, Esq      | 50  | ••                        | 5   |
|                       |     |                           |     |

## VIII. 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   |

## IX. ANNUAL SUBSCRIPTIONS IN AID OF THE FACULTY OF APPLIED SCIENCE.

## 1871.

| Hon. James Ferrier (per annum, for IO years)         | \$100 |
|--|-------|
| Peter Redpath, Esq. (per annum, for 10 years)        | 400   |
| John H. R. Molson, Esq. (per annum, for 10 years)    | 400   |
| George H. Frothingham, Esq. (per annum, for 7 years) | 400   |
| T. James Claxton, Esq. (per annum, for 6 years)      | 100   |
| Donald Ross, Esq. (per annum, for 5 years)           | 50    |

## 1878-79.

| 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   |

## X. 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<br>George Moffatt, Esq | 500<br>250 |                       | \$2,050 |

## 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   |                       |         |

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## Subscription:

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Wm. Molson, Fund ..... Wm. Molson, Fund .....

Mrs. G. H. Fre arrangement ter's Collec Shells..... A Lady, for M

A Lady, for the Thos. McDouge J. Livesey, Esq George Stephen Charles Gibb, I Andrew Drumn A Telescope an man, Esquire

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## Subscript

Dr. Campbell . Dr. Howard ... Dr Craik..... Dr. McCallum . Dr. Drake.... Dr. Godfrey .... Dr. McEachran,

| 500                     |  |   |
|-------------------------|--|---|
| 500                     | Subscriptions for the erection of the Lodge and Gates.   |   |
| 200                     | William Molson, Esq \$100 James A. Mathewson, Esq \$100  |   |
| 200                     | John H. R. Molson, Esq 100 Peter Redpath, Esq 100  |   |
| ··· 100                 | William Workman, Esq Ioo G. H. Frothingham, Esq Ioo  |   |
| ··· I00                 | Joseph Tiffin, Jr., Esq 100 G. D. Ferner, Esq 100  |   |
| ··· Ioo                 | Thos. J. Claxton, Esq  |   |
| 125                     | William McDougall Esq 100 Charles Alexander, Esq 100   |   |
|                         | Charles I. Brydges, Esq 100 J. Evans, Esq 100  |   |
| 50                      | George Drummond, Esq 100 Henry Lyman, Esq 100  |   |
| NCE.                    | Thomas Rimmer, Esq 100   |   |
|                         | William Dow, Esq 100 \$2,100   |   |
| A                       | John Frothingham, Esq 100  |   |
| \$5000                  | a total and the fully of the Library and Macanin of the Faculty  |   |
| 1000                    | Subscriptions for the internal fittings of the Library and Museum of the Faculty   |   |
| 1000                    | of Medicine, 1872.   | 1 |
| . 1000                  | G. W. Campbell, A.M., M.D., \$1200   Robert Craik, M. D., 200  |   |
| TY OF                   | 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<br>Duncan C. McCallum, M.D 200   |   |
| ·· \$100<br>·· 400      | Library and Museum Funds.  |   |
| 400<br>400              | Wm. Molson, Esq., for Library<br>Fund  |   |
| . 50                    | Wm. Molson, Esq., for Museum       Mrs. Redpath, for the endowment         Fund       2000         Mrs. Redpath, for the endowment         of the Wm. Wood Redpath         Library Fund       1000 |   |
| . \$400                 | Subscriptions for Library, Museum and Apparatus.   |   |
| · 100<br>• 100<br>• 100 | Mrs. G. H. Frothingham, for the<br>arrangement of Dr. Carpen-<br>ter's Collection of Mazatlan<br>Interview Collection of Mazatlan  |   |
| . 100<br>. 300          | Shells   |   |
| 100                     | A Lady for the purchase of Mining Models   |   |
|                         | Thos. McDongall. Esg. for the same   |   |
|                         | I. Livesev, Esg., through Dr. Harrington, for the same   |   |
|                         | George Stephen, Esq., for the same 50  |   |
| \$100                   | Charles Gibb, B.A., donation for Apparatus in Applied Science 50   |   |
| 100                     | Andrew Drummond, Esq., to Library Fund of Faculty of Applied Science 25  |   |
|                         | A Telescope and Astronomical Instruments, the gift of Charles T. Black-  |   |
| \$2,050                 | man, Esquire, of Montreal, and called after his name.  |   |
|                         | The Local Committee for the recent (For the purchase of appliances for )   |   |
|                         | tion (1881) of American Society the department of Civil Engi-  |   |
|                         | of Civil Engineers   |   |
| \$100                   | Subaritations for Dimiological I develory of Medical Faculty 1870  |   |
| 100                     | Subscriptions for Physiological Lacoratory of Meanury 1819.  |   |
| 100                     | Dr. Campbell \$100 Dr Ross \$50  |   |
| IOO                     | Dr. Howard 100 Dr. Roddick 50  |   |
| 50                      | Dr Craik   |   |
| 50                      | Dr. McCallum   |   |
|                         | Dr. Drake  |   |
| 2,180                   | Dr. McEachran F.R.C.V.S. 100   |   |
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## 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 surpervision 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                | 46                    |
| 0      | 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          | "                     |
| 201    | 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.           | Ioo 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          | e:                    |
|        | 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.   | and the second second |
|        | J. J. MacLaren, M.A., B.C.L     | 100 in 4          | "                     |
|        | D. R. McCord, M.A., B.C.L       | 100 in 4          | "                     |
| 83     | 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          |                       |
|        | K. A. Ramsay, M.A., B.C.L.      | 100 Cash.         |                       |
|        | Kev. E. I. Rexford, B.A         | 50 in 5           | **                    |
| an l   | Alex. Robertson, B.A.           | 100 in 5          | ••                    |
|        | S. P. Kobins, LL.D.             | 50 Cash.          |                       |
|        | 1. G. Koddick, M.D.             | 100 in 5          |                       |
| 1      | George Koss, M.A., M.D.         | 100 in 4          |                       |
|        | r. J. Snepherd, M.D.            | 100 in 5          |                       |
| in the | N. W. Tranke, B.A., B. App. Sc. | 100 in 5          |                       |
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#### Total to date ..... \$2,895

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|--|---|--|--|--|------------------|
| SEP  | PENBER, 1882.   | NOV  | EMBER, 1882.   | JA   |                  |
| r Friday   | Normal School opens,  |  |  | I Monday   |                  |
| 2 Saturday   |   | I Wednesday  | deeting of Nor.Sch'l Committee.  | 2 Tuesday<br>3 Wednesday   | l                |
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| 7 Thursday   | mittee.   | 5 SUNDAY   | · · ·  |  |                  |
| 8 Friday   | bit .   | 6 Monday   |  | 6 Saturday   |                  |
| O SHINDAV  |   | 7 Tuesday  |  | 7 SUNDAY   | 1                |
| Tuesday  |   | 9 Thursday   | Meeting of Faculty App. Science.   | 9 Tuesday  |                  |
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| 15 Friday  | Science. Arts and App.  | 12 SUNDAY  |  | 13 Saturday  |                  |
| 6 Saturday   | Mat. and Supp. Ex'ns in Classics.   | 13 Monday  | Meeting of Faculty of Arts.  | 14 SUNDAY  | 1                |
| 17 SUNDAY  | Exhib, and Scholarship Exam.  | 15 Wednesday   |  | 16 Tuesday   |                  |
| ts Monday  | Mat. and Supp. Ex'ns in Mathe-  | 16 Thursday  |  | 17 Wednesday   |                  |
|  | Exhibition & Scholarship Ex'ns.   | 18 Saturday  |  | 19 Friday  | l                |
| 19 Tuesday   | Mat. and Supp, Ex'ns in English,  | 19 SUNDAY  |  | 20 Saturday  |                  |
|  | Exhib. and Sch. Exam'ns.  | 20 Monday  |  | 21 SUNDAY  | 1                |
| 20 Wednesday   | Mat. and Supp. Ex'ns in Modern  | 21 Tuesday   |  | 22 Monday<br>22 Tuesday  |                  |
|  | and Sch. Exam'ns.   | 22 Wednesday   |  | 24 Wednesday   |                  |
| 21 Thursday  | Lect's in Arts et App. Sc. begin.   | 24 Friday  |  |  |                  |
| 22 Friday<br>23 Saturday   | Meeting of Faculty of Arts.<br>Meeting of Board of Governors,   | 25 Saturday  | Meeting of Governors.  | 25 Thursday  |                  |
| 24 SUNDAY  |   | 26 SUNDAY  |  | 26 Friday  |                  |
| 25 Monday<br>26 Tuesday  | Summer Essays in Applied Sc.  | 27 Monday  | Meeting of Faculty of Arts.  | 27 Saturday  |                  |
| 27 Wednesday   | given in.   | 28 Tuesday   |  | 28 SUNDAY  |                  |
| 28 Thursday  |   | 29 Wednesday   |  | 1 100 100 100 100 100 100 100 100 100 1  | -                |
| 20 Friday  |   | 30 Thursday  |  | 29 Monday  |                  |
| 29 Friday<br>30 Saturday   |   | 30 Thursday  |  | 29 Monday<br>30 Tuesday<br>31 Wednesday  | ,                |
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| 29 Friday<br>30 Saturday<br>00<br>1 SUNDAY<br>2 Monday   | TOBER, 1882.<br>Meeting of Faculty of Arts, Ses-  | 30 Thursday<br>DEC<br>1 Friday   | EMBER, 1882.   | 20 Monday<br>30 Tuesday<br>31 Wednesday<br>47 E  | 100              |
| 29 Friday<br>30 Saturday<br>000<br>1 SUNDAY<br>2 Monday<br>2 Tuesday   | TOBER, 1882.<br>Meeting of Faculty of Arts, Ses-<br>sion of Medical and Law Facul-<br>tics begins   | 30 Thursday<br>DEC<br>1 Friday<br>2 Saturday   | ENBER, 1882.   | 20 Monday<br>30 Tuesday<br><u>31 Wednesday</u><br>17 fc<br>1 Thursday<br>2 Friday  | 100              |
| 29 Friday<br>30 Saturday<br>1 SUNDAY<br>2 Monday<br>3 Tuesday<br>4 Wednesday   | TOBER, 1882.<br>Meeting of Faculty of Arts, Ses-<br>sion of Medical and Law Facul-<br>ties begins.<br>Meeting of Nor. Sch'l Committee.  | 30 Thursday<br>DEC<br>I Friday<br>2 Saturday<br>3 SUNDAY   | EMBER, 1882.   | 20 Monday<br>30 Tuesday<br><u>31 Wednesday</u><br>17 EC<br>1 Thursday<br>2 Friday<br>3 Saturday  | 100              |
| 29 Friday<br>30 Saturday<br>12 SUNDAY<br>3 Tuesday<br>4 Wednesday<br>5 Thursday<br>6 Friday  | TOBER, 1882.<br>Meeting of Faculty of Arts, Ses-<br>sion of Medical and Law Facul-<br>ties begins.<br>Meeting of Nor. Sch'l Committee.<br>Founder's Birthday.   | 30 Thursday<br>I Friday<br>2 Saturday<br>3 SUNDAY<br>4 Monday<br>5 Tuesday   | ENBER, 1882.   | 20 Monday<br>30 Tuesday<br>31 Wednesday<br>17 M<br>1 Thursday<br>2 Friday<br>3 Saturday<br>4 SUNDAN  | 100              |
| 20 Friday<br>30 Saturday<br>12 SUNDAY<br>3 Tuesday<br>4 Wednesday<br>5 Thursday<br>6 Friday  | TOBER, 1882.<br>Meeting of Faculty of Arts, Ses-<br>sion of Medical and Law Facul-<br>ties begins.<br>Meeting of Nor. Sch'l Committee.<br>Founder's Birthday.<br>Matriculation Exams in Med.  | 30 Thursday<br>I Friday<br>2 Saturday<br>3 SUNDAY<br>4 Monday<br>5 Tuesday<br>6 Wednesday  | ETUBER, 1882.  | 20 Monday<br>30 Tuesday<br>31 Wednesday<br>31 Wednesday<br>FE<br>1 Thursday<br>2 Friday<br>3 Saturday<br>4 SUNDAN<br>6 Monday  | 1 10             |
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| 882.                 | 3.4   | NUARY, 1883.  | 73  | ARCH, 1883.   |
|----------------------|---|---|---|---|
| Sch'l Committee.     | 1 Monday<br>2 Tuesday<br>3 Wednesday                    | Meeting of Nor. Sch'l Committee.  | 1 Thursday<br>2 Friday<br>3 Saturday                                  | Theses for Degree of B.C.L. to<br>be sent in to Dean of Faculty   |
| ×,                   | 6 Saturday  | Meeting of Fac. Arts; Lec. in Arts<br>Law, Med. ct Applied Science<br>recommence.             | 4 SUNDAY<br>5 Monday<br>6 Tuesday<br>7 Wednesday                      | Meeting of Faculty of Arts,<br>Meeting of Nor, Sch'l Committee.   |
| lty App. Science.    | 7 SUNDAY<br>8 Monday<br>9 Tuesday                       | Meeting of Faculty of Arts.   | 8 Thurday<br>9 Friday<br>10 Saturday                                  | Examination in Law. Meeting of<br>Faculty of Applied Science.<br>Examinations in Law.   |
| Its of Anto          | 10 Wednesday<br>11 Thursday<br>12 Friday<br>13 Saturday | Meeting of Fac. of App. Science   | 11 SUNDAY<br>12 Monday<br>13 Tuesday<br>14 Wednesda y                 | Examinations in Law.<br>Examinations in Law.<br>Examinations in Law.  |
| ity of Arts.         | 14 SUNDAY<br>15 Monday<br>16 Tuesday<br>17 Wednesday    |   | 16 Friday<br>17 Saturday  | Examinations in Law. Lectures<br>in Medicine end.<br>Exam. in Botany, Med. Faculty.   |
|                      | 18 Thursday<br>19 Friday<br>20 Saturday                 |   | 18 SUNDAY<br>19 Monday  | Meeting of Faculty of Arts.<br>Primary Examinations in Med.   |
|                      | 21 SORDAY<br>22 Monday<br>23 Tuesday<br>24 Wednesday    | Meeting of Faculty of Arts.<br>Regular Meeting of Corporation.<br>Examiners appointed. Annual | 20 Tuesday<br>21 Wednesday<br>22 Thursday<br>23 Friday<br>24 Saturday | Final Examinations in Medicine.<br>Good-Friday. Easter Vac. begins.<br>Final Examinations in Medicine.                        |
| nors.                | 25 Thursday<br>26 Friday                                | Report to Visitor.<br>Theses for M.A. & LL.D, to be<br>sent in to the Dean.                   | 25 SUNDAY<br>26 Monday<br>27 Tuesday                                  | Meeting of Governors.<br>Easter-day.<br>Easter Vacation ends.   |
| y of Arts.           | 27 Saturday<br>28 SUNDAY                                | Meeting of Governors.   | 28 Wednesday  | Meeting of Faculty of Arts. Re-<br>ports of Attendance on Lects.  |
|                      | 29 Monday<br>30 Tuesday<br>31 Wednesday                 |   | 30 Friday<br>31 Saturday  | Lect, in Arts and App. Sc. end.<br>Convocation for Degrees in Law<br>and Medicine.  |
| 12.                  | 17 ES   | BRUARY, 1883.   | A   | PRIL, 1883  |
|                      | 1 Thursday<br>2 Friday<br>3 Saturday<br>4 SUNDAY        | Theses for Degree of D.C.L. to be<br>sent in to Dean of Fac. of Law.                          | 1 SUNDAY<br>2 Monday<br>3 Tuesday                                     | Meeting of Faculty of Arts, B.A.<br>Honour Examinations begin.<br>Ordinary Examinations in Arts<br>and Applied Science begin. |
| d.<br>d.<br>d.<br>d. | 5 Monday<br>6 Tuesday<br>7 Wednesday<br>8 Thursday      | Meeting of Examiners.<br>No lectures.<br>Meeting of Nor. Sch'l Committee.                     | 4 Wednesday<br>5 Thursday<br>6 Friday<br>7 Saturday                   | Meeting of Nor, Sch'l Committee.  |
| tions begin.         | 9 Friday<br>10 Saturday<br>11 SUNDAY                    |   | 9 Monday<br>10 Tuesday<br>11 Wednesday<br>12 Thursday                 | Meeting of Fac. of App. Science.  |
| ience end.           | 12 Monday<br>13 Tuesday<br>14 Wednesday<br>15 Thursday  | Meeting of Faculty of Arts.<br>Meeting of Fac. of App. Science.                               | 13 Friday<br>14 Saturday<br>15 SUNDAY                                 | energeneration ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (  |
|                      | 18 SUNDAY   | Suppremental Examinations.  | 16 Monday<br>17 Tuesday<br>18 Wednesday<br>19 Thursday<br>20 Friday   | Meeting of Fac. of Arts. Meeting<br>of Examiners.   |
| begins.<br>s.        | 19 Monday<br>20 Tuesday<br>21 Wednesday<br>22 Thursday  | Meeting of Faculty of Arts.   | 21 Saturday<br>22 SUNDAY<br>23 Monday                                 |   |
|                      | 23 Friday<br>24 Saturday<br>25 SUNDAY                   | Meeting of Governors.   | 24 Tuesday<br>25 Wednesday<br>26 Thursday<br>27 Friday                | Regular Meeting of Corporation.   |
|                      | 26 Monday<br>27 Tuesday<br>28 Wednesday                 | y   | 28 Saturday<br>29 SUNDAY  | Meeting of Governors.<br>Meeting of Examin's. Declara-<br>tion of Results of Examinat's.                                      |
|                      | L   | 1   | 30 Monday   | Meeting of Convocation.   |

| An alogo provide and a   | MAY, 1883.   | JULY, 1982   | (F |                | -                     | fait actual           |
|--|--|--|----|----------------|-----------------------|-----------------------|
| r Tuesday  | Convocation for Degrees in A   | rts.   |    |                |                       |                       |
| 2 Wednesda<br>3 Thursday<br>4 Friday   | and Applied Science.<br>Normal School Committee.   | 1 SUNDAY<br>2 Monday<br>3 Tuesday  |    |                |                       |                       |
| 6 SUNDA<br>7 Monday<br>8 Tuesday<br>9 Wednesda   | Y  | 4 Wednesday<br>5 Thursday<br>6 Friday<br>7 Saturday<br>8 SUNDA V                 |    |                |                       |                       |
| 10 Thursday<br>11 Friday<br>12 Saturday  | White Sunday   | 9 Monday<br>10 Tuesday<br>11 Wednesday   |    | Dec            | DAYS                  | F                     |
| 13 SUNDAY<br>14 Monday<br>15 Tuesday   | Wint-Sunday.   | 12 Thursday<br>13 Friday<br>14 Saturday  |    | 19             | Tue                   | Gree                  |
| 10 Wednesday<br>17 Thursday<br>18 Friday<br>19 Saturday  | Meeting of Examiners for Scho<br>Examinations,   | 15 SUNDAY<br>16 Monday<br>17 Tuesday<br>18 Wednesday                             |    | 12<br>13<br>14 | Wed.                  | Lati                  |
| 20 SUNDAY<br>21 Monday<br>22 Tuesday   | K  | 19 Thursday<br>20 Friday<br>21 Saturday  | -  | 15<br>18       | Frì.<br>Mon.          | Math                  |
| <ul> <li>23 Wednesday</li> <li>24 Thursday</li> <li>25 Friday</li> <li>26 Saturday</li> <li>27 SUNDAY</li> </ul> | Queen's Birth-Day,<br>Meeting of Governors,  | 22 SUNDAY<br>23 Monday<br>24 Tuesday<br>25 Wednesday<br>26 Thursday<br>27 Friday |    | 19<br>20<br>21 | Tues.<br>Wed.<br>Thu. | Chen<br>Frend<br>Germ |
| 28 Monday<br>29 Tuesday<br>30 Wednesday<br>31 Thursday   | 1  | 28 Saturday<br>29 SUNDAY<br>30 Monday<br>81 Tuesday                              |    |                |                       | SES                   |
| Contractor of the other states of the other  | JUNE, 1882   |  |    | Apr            | DAYS.                 | FI                    |
| 1 Friday   | Exams, in Normal School begin<br>Examinations for Certificate of<br>Associate in Arts begin    | AUGUST, 1883.<br>I Wednesday<br>2 Thursday                                       | -  | 3              | Tue.                  | Greek                 |
| 2 Saturday<br>3 SUNDAY,<br>4 Monday  | in the organ   | 3 Fiday<br>4 Saturday<br>5 SUNDAY  |    | 4              | Wed.<br>Thu.          | Latin.                |
| 5 Tue <sup>c</sup> day<br>6 Wednesday<br>7 Thursday<br>8 Friday<br>9 Saturday                                    | Normal School Committee,   | 6 Monday<br>7 Tuesday<br>8 Wednesday<br>9 Thursday<br>10 Friday                  |    | 6<br>9<br>10   | Fri,<br>Mon,<br>Tues. | Frencl                |
| 10 SUNDAY<br>11 Monday<br>12 Tuesday<br>13 Wednesday   |  | 11 Saturday<br>12 SUNDAY   |    | 11<br>12       | Wed.<br>Thu.          | Englis                |
| 14 Thursday<br>15 Friday   | Declaration of results of School<br>Examinations.  | 13 Monday<br>14 Tuesday<br>15 Wednesday<br>16 Thursday                           |    | 13<br>16       | Fri.<br>Mon.          | Mather<br>Mather      |
| 7 SUNDAY   |  | 17 Friday<br>18 Saturday   |    | 18             | Wed.                  | Hebrew                |
| 8 Monday<br>9 Tuesday<br>80 Wednesday<br>11 Thursday   |  | 19 SUNDAY<br>20 Monday   |    | 19             | Thur.                 | German                |
| 2 Friday<br>23 Saturday<br>24 SUNDAY<br>25 Monday  | Meeting of Governors.  | 21 Tuesday<br>22 Wednesdoy<br>23 Thursday<br>24 Friday<br>25 Saturday            |    | 23<br>24<br>26 | Tues.                 | Honour                |
| 6 Tuesday<br>7 Wednesday H<br>8 Thursday M   | Regular Meeting of Corporation.<br>Report of Normal School.<br>Normal School closes for Summar | 26 SUNDAY<br>27 Monday   | C  |                | All Ex                | aminatio              |
| 9 Friday<br>3 Saturday   | Vacation.  | 29 Wednesday<br>30 Thursday<br>31 Friday   |    | ľ              | ne E:                 | caminati              |

## EXAMINATIONS.-1882-83.

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## faculty of Arts.

## CHRISTMAS, 1882.

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|-----|-------|---|--|--|--|
| Dec | DAYS. | FIRST YEAR.   | SECOND YEAR.   | THIRD YEAR.  | FOURTH YEAR.   |
| 12  | Tue.  | Greek,  | Greek.   | Math. Physics.   | Math. Physics.   |
| 13  | Wed.  | Latin.  | Latin.   | Moral Philosophy.  |  |
| 14  | Thu.  |   | Botany.  | English.   | Metaphysics.   |
| 15  | Frì.  | Mathematics.  | French, P. M.  | Exp. Physics.  | Exp. Physics.  |
| 18  | Mon.  | English.  | Logie.   | Greek.   | English.   |
| 19  | Tues. | Chemistry.  | Mathematics.   | Latin.   | Geology.   |
| 20  | Wed.  | French.   | English & German.  | Zoology.   | German.  |
| 21  | Thu.  | German & Hebrew.  | Hebrew.  | f French, German   | French & Hebrew  |

## SESSIONAL AND HONOUR EXAMINATIONS, 1883.

| Apr | DAYS. | FIRST YEAR.    | SECOND YEAR,      | THIRD YEAR.       | FOURTH YEAR.                                      |
|-----|-------|----------------|-------------------|-------------------|---|
| 3   | Tue.  | Greek.         | Greek.            |                   | B. A. Honour Ex.                                  |
| 4   | Wed.  | Latin.         | Latin.            | Math. Physics.    | Metaphysics.                                      |
| 5   | Thu.  | Greek & Roman  | Latin Prose Comp. | Math. Physics.    | Metaphysics.                                      |
| 6   | Fri.  | French.        | French.           | Exp. Physics.     | Exp. Physics.                                     |
| . 9 | Mon,  | Chemistry.     | English.          | Moral Philosophy. | English.  |
| 10  | Tues. |                |                   |                   | B. A. Honour Ex.                                  |
| 11  | Wed.  | English.       | Mathematics.      | Greek.            | Math. Physics.                                    |
| 12  | Thu.  |                | Mathematics.      | Latin.            | Math. Physics.                                    |
| 13  | Fri.  | Mathematics.   | Hebrew.           | Latin Prose Com.  | Geology.  |
| 16  | Mon.  | Mathematics.   | German.           | Zoology.          | Greek.  |
| 18  | Wed.  | Hebrew.        | Botany.           | French.           | Latin.  |
| 19  | Thur. | German.        | Logie.            | English.          | History.  |
| 23  | Mon.  |                |                   | German & Hebrew.  | French, German,<br>Hebrew and<br>B. A. Honour Ex. |
| 24  | Tues. | Honour Exam's. | Honour Exam's.    | Honour Exam's.    | B. A. Honour Ex.                                  |
| 26  | Thur. | Honour Exam's. | Honour Exam's.    | Honour Exam's.    | B. A. Honour Ex.                                  |

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

## EXAMINATIONS.—1882-83. FACULTY OF APPLIED SCIENCE.

CHRISTMAS, 1882.

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|------------|--|---|---|--|---|
| Dec.       | DAYS.  | FIRST YEAR.   | SECOND TEAR.                                | THIRD YEAR,  | FOURTH YEAR.  |
| 15         | Frid.  | Mathematics.  | French(p.m <sup>*</sup> ), Exp.<br>Physics. | Exp. Physics.  |   |
| <b>x</b> 8 | Mond.  | English.  | Mathematics.                                | Mathematics.   |   |
| 19         | Tues.  | Chemistry.  | Chemistry.                                  | Geology.   | •   |
| 20         | Wed.   | French.   | Zoology                                     | French.  |   |
| 21         | Thur.  | German.   | German.                                     | German.  | Mathematics.  |
|            |  |   |   |  |   |

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| Apr. | DAYS.  | FIRST YEAR,                            | SECOND YEAR.                  | THIRD YEAR,                  | FOURTH YEAR.  |
|------|--------|--|-------------------------------|------------------------------|---|
| 2    | Mond.  | Drawing.                               | Drawing.                      | Drawing.                     | Mineralogy (adv.)   |
| 3    | Tues.  |  | Materials.                    | Materials.                   | Materials.  |
| 4    | Wed.   |  |                               | orse inter                   | a substantia de la composición de la co |
| 5    | Thur.  | Practical Chemistry.                   |                               | Applied Mechanics.           | Applied Mechanics   |
| 6    | Frid.  | French.                                | Exp. Physics.                 | Exp. Physics.                | Hydraulics.   |
| 7    | Satur. |  |                               | Contraction and the          |   |
| 9    | Mond.  | Chemistry.                             | Chemistry.                    | Surveying<br>Chemistry.      |   |
| 10   | Tues.  |  | French.                       | Bridge Construction.         | BridgeConstruct'n.  |
| 11   | Wed,   | English.                               | English.                      | Essay.                       | Essay.  |
| 12   | Thur.  | • 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                               | Applied Mechanics.           | Applied Mechan-   |
| 13   | Frid.  |  | Essay.                        | Geology & Mine-<br>ralogy.   |   |
| 14   | Satur. | Mathematics.                           | Mathematics,                  | Mathematics.                 | Problems.   |
| 16   | Mond   | German.                                | { German (p.m.)<br>{ Zoology. |                              | App. Mechanics  |
| 17   | Tues.  | Mathematics.                           | Mathematics.                  | Mathematics.                 |   |
| 18   | Wed.   |  |                               | French.                      | Steam.  |
| 19   | Thur.  |  | Mechanical Work.              | Mechanical Work,<br>Mining   | Metallurgy.   |
| 20   | Frid.  |  | four cying.                   | App. Mechanics (ad)          | App. Mechanics  |
| 21   | Satur  |  | Mechanism.                    | Machinery and Millwork.      | ( (auv.)  |
| 23   | Mond   |  |                               | German,<br>Mineralogy (adv.) | App. Mechanics  |
| 24   | 'Tues. | Mathematics.                           | Mathematics.                  | Mathematics.                 | Mineralogy ( adv.)  |
| 25   | Wed.   |  | and the sources               | resolution of provide        | Assaying.<br>Hydraulics (adv  |
| 26   | Thur   | . A start a strength                   | 1                             | print and the second         | (Steam (adv)  |
| 27   | Frid.  |  |                               |                              |   |
| 28   | Satur  |  |                               |                              |   |
| 30   | Mond   | . Convocation.                         |                               |                              |   |
|      | 4      | 1                                      | 1                             |                              | 1   |

Professors :-

## Dean

[CONTENT! &c., § III.; § VI. ; Lice tures, § IX.]

The ne 15th, 1882, ٠

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to present th September, i mencement ( the classes. The sub

Classics, Ma

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Faculty Arts. of

THE PRINCIPAL (Ex-officio). Professors :- CORNISH. Professors :- LEACH (Emeritus). DE SOLA. DAWSON. MARKGRAF. JOHNSON. Dean of the Faculty :- Ven. ARCHDEACON LEACH, D.C.L., LL.D. Vice-Dean :- ALEXANDER JOHNSON, LL.D.

Librarian :- Professor MARKGRAF, M.A.

DAREY.

MOYSE.

MURRAY.

HARRINGTON.

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

The next Session of this Faculty will commence on September 15th, 1882, and will extend to May 1st, 1883.

## § I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation as Undergraduates are required to present themselves to the Vice-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. 4

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners.

[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.]

An Advanced Examination in any one or more of the subjects of the First Year will be held for such of the candidates as desire it. Candidates who pass creditably in this will be entitled to such exemptions from the Lectures and from the Christmas Examinations of the First Year as the Faculty may determine. For the Advanced Examination in Classics two authors in Latin and two in Greek will be required, and the books fixed (see below) must be taken.

Candidates for the Advanced Examination must send notice to the Vice-Dean of their intention before the day of Examination, stating the subjects of the First Year and the extent of reading they purpose to submit.

Partial or Occasional Students (see below) in the First Year, who pass the April Sessional Examinations in one or more subjects will, if Candidates for Undergraduate standing in the First Year in the following September, be allowed to count these as Advanced Examinations under the above rule.

The course for Advanced Matriculation in Classics is as follows :-Greek.-Xenophon, Anabasis, Book I.; Homer, Iliad, Book VI. Latin.-Cicero, Oration's I. and II. against Catiline ; Virgil, Æneid, Book II.

A paper on Greek and Latin Grammar, and Latin Prose Composition (Textbook, Smith's Principia Latina, Part IV).

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 the 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. I 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 Analy In French .of Frer join the In Chemistr mon m [Note.-C they are req Candidates u in the subjec second year. 3. Stude tificates, to a 4. PART taking three ( will be exami determined b 5. OCCA Lectures, as ( Register, and to attend. Every stu

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- 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.

## § II. COURSE OF STUDY.

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

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

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

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

Third Year.—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); any two of the following departments—French or German (whichever the Student has taken in the first two years); Experimental Physics; Zoology; English and Rhetoric; together with one *Additional Department*, for which see below.

Fourth Year.—Latin or Greek (same language as in Third Year); Mathematical Physics (as in Third Year); Mental and Moral Philosophy; any two of the following departments—French or German (same language as in previous years); Experimental Physics; Geology; History; and one Additional Department (the same as chosen in the Third Year), for which see below.

(N.B. The Additional Departments referred to above, of which one must be selected, the same department being taken in both the third and fourthyears, are as follows, viz.:—(1) Classics, including Latin and Greek. (2) Mathematical Physics, including Optics, with Astronomy. (3) Natural Science, including Chemistry, Mineralogy, Geology of Canada. (4) Mental and Moral Philosophy. (5) English with History. (6) One Modern Language or Hebrew.)

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 § IX.]

I. 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.

6. Modern Languages with History (Lorne Medal Course).

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

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

## § III. SCHOLARSHIPS AND EXHIBITIONS.

GENERAL REGULATIONS.

I. 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.

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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; Letin; English Composition; English Language, Literature, and History; French.

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

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

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

The subjects of Examination are as follows :--

First Year Exhibitions .- Classics, Mathematics, English.

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

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

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

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

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

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

IO. 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.

II. The Examinations will be held at the beginning of every Session.

There are at present thirteen 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, founded by W.C. McDonald, Esq., Monireal :--value, \$125 each, yearly.

- THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects : -value, \$120 yearly.
- THE GEORGE HAGUE EXHIBITION, value \$125 yearly, given by George Hague, Esq., Montreal, for four years beginning with the Session 1881-2.

## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1882.

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

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

Latin.—Cicero, Pro Archia; Horace, Odes, bk. I.; Virgil, Æneid, bk. II. Latin Prose Composition.

A paper on Greek and Latin Grammar.

Text-Books.—Hadley's Elements of Greek Grammar. Arnold's Greek Prose Composition, Exercises I 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:

I. 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. For 1882 and 1883-Julius Cæsar.

To Students entering the Second Year, Three Exhibitions of \$125. Subjects of Examination :—

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

Latin.—Virgil, Æneid, bk. VII.; Horace, Odes, bk. III.; Livy, bk. XXI. Chaps. 1 29; 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.

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Chemistry,-The Metallic Elements as in Wilson's Inorganic Chemistry.

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

To Students entering the Third Year, Three Scholarships of \$125; tenable for Two Years.

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

 Mathematics.—Differential Calculus (Williamson, Chaps. I, 2, 3, 4, 9; Chap. 12, Arts. 168-193 inclusive; Chap. 17, Arts. 225-243 inclusive). Integral Calculus (Williamson, Chaps. I, 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 four 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 Inorganic Chemistry.

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, 1883.

GREEK.-First Year.

Homer, Iliad, bk. VI.; Xenophon, Anabasis, bk. II.; Demosthenes, Olynthiacs, I. and II. LATIN.-First Year.

Cicero, Pro Archia; Horace, Odes. bk. I.; Virgil, Æneid, bk. V. vss. I-361.

GREEK.-Second Year.

Homer, Iliad, bk. XVIII ; 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).

EnglishSubjects for Exhibitions, &c., September, 1883.

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.) Shakespeare, 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. Sixteen have been placed by the Governors at the disposal of His Excellency the Governor-General. Candidates must pass the usual Matriculation Examination.

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

Eight Exemptions from fees may be granted by the Board of Governors, from time to time to the most successful students who may present themselves as 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 Matriculation Examination in Arts.

## § IV. EXAMINATIONS. COLLEGE EXAMINATIONS.

1. There are two Examinations in each year; one at Christmas

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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.

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 1.

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 1883 are as follows :--

Classics.-Greek.-Euripides.-Medea.

Latin.—Tacitus.—Germania, Chaps. I. to XXVII., and Agricola. Latin Prose Composition. Mathematics. -- Arithmetic.

Euclid, Books I., II., III., IV., VI., and defs. of Book V. Algebra, to Quadratic Equations, inclusive.

Trigonometry, including use of Logarithms.

Logic .- Jevons' Elementary Lessons in Logic.

English.—Spalding's History of English Literature or lectures (see course). A paper on the essentials of British History (Collier).

With one of the following :--

- I. 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 :- Phèdre. 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 the subjects are those appointed as compulsory in the Third and Fourth Years, viz.: Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); Mental and Moral Philosophy; and those departments (two "Ordinary" and one "Additional") which the Candidate may have selected for himself in the Third and Fourth Years. See § II.

The subjects in detail for 1883 are as follows :----

### Classics.

Greek.—Æschines, Contra Ctesiphontem; Æschylus, Prometheus Vinctus. Greek History. (Or Latin as follows):—

- Latin.—Tacitus, Annals, Book II; Juvenal, Satires VIII. and X. Roman History.
- \* In Classics Greek may be reckoned as the Additional Department by students taking Latin as their Ordinary subject, and, vice versa, Latin by students taking Greek.

#### Mathematical Physics.

Mechanics and Hydrostatics, as in Galbraith & Haughton's textbooks.

\* Optics and Astronomy.

## Mental and Moral Philosophy.

- Calderwood's Handbook of Moral Philosophy (omitting the Historical Sketch, pp. 43-76), and Rogers' Manual of Political Economy.
- \* Lectures, with Schwegler's History of Philosophy (Chaps. 23-45 inclusive), and Lorimer's Institutes of Law.

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## Natural Science.

Mineralogy and Geology, as in Dana's Manuals and Dawson's Lecture Notes.

\* Advanced Mineralogy and Lithology, with Geology of Canada or Practical Chemistry as in § IX.

#### Experimental Physics.

Electricity.--Statical and Dynamical :--including Electro-Magnetism--Magneto-Electricity-Thermo-Electricity-Diamagnetism-Electric Measurements-Practical Application to Telegraph, &c. Magnetism. Sound.-Theory of Undulations.-Production and Propagation of Sound-Vibrations of Strings, Rods, and Plates.-Vibrations of Fluids.-Musical Sounds.

#### History.

History.—Freeman :—General sketch of European History; Green's Short History of the English People: The Tudor and Stuart Periods.

\*As in § IX.

The course of French for the Fourth Year.—Boileau, Art poétique ; Corneille, Horace ; Translation into French, and French Composition.

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

French.

#### German.

Schiller, Geschichte des 30 jahrigen Krieges; Goethe, Iphigenie auf Tauris; General paper on Grammar; Translation into German, and German Prose Composition.

\* As in § IX.

#### Hebrew. (Theological Students only.

Hebrew Grammar; Translation from first four chapters of Isaiah; any three of the Psalms.

\* The Chaldee and Syriac Languages as in § IX.

\* Additional Departments, one of which is to be selected by each candidate.

For details of each subject, see Courses of Lectures, § IX.

Candidates for B.A. Honours are exempted from any three of the five "Ordinary" subjects or departments.

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

## 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 Rank 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 Second Year.

Candidates for Honours in the Second Year who have obtained Honours in the First Year may at the Sessional Examinations of the Second Year omit the examination in either a Modern Language (or Hebrew) or Botany.

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

The following are the "Ordinary" Departments of the Third Year :-Latin or Greek; French or German or Spanish (or Hebrew); Mechanics and Hydrostatics; Experimental Physics; Zoology; English Literature and Rhetoric.

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Sessional Examination of the Second Year have taken 1st class in the subject in which he prog poses to compete for Honours; such candidates shall be entitled in the Third Year to an exemption ments except to Who desires to Hydrostatics a to obtain Ho the ordinary u

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## III. Candidates for B.A. Honours.

The following are the "Ordinary" Departments of the Fourth Year, in which lectures are delivered and of which four are required :—Latin or Greek; French or German or Spanish (or Hebrew); Mental and Moral Philosophy; Experimental Physics; Geology; History.

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be entitled to exemption from lectures and examinations in any two of the four ordinary departments required as above. A Student who has taken Second Rank Honours in the Third Year and desires to be a Candidate for B.A. Honours in the same subject shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year.

## IV. Professional Students.

I. Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine or Applied Science of the University, or in any affiliated Theological College, are entitled to exemption from the Additional Department or any one of the Ordinary Departments required in the Third and Fourth years.

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.

## 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. until 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 stated above.

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

I. 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 (*N.B.*—*The Honour Course includes the Additional Department in each subject*) and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

(N.B. By a recent Order of the Lieutenant-Governor of Ontario in Council, Honours'in this University confer thes ame 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

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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 follows :—

I. The Subjects for competition shall be French and either German or Spanish, together with the History part of the present Honour Course for the Shakespeare Medal.

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

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

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

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

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

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

|        | 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.

to

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.

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.)

With the Additional Department prescribed for this year.

Fourth Year.

A special study of Goethe's 'Faust' (Part I.).

Selections from Heine's Lyrical Poems.

Schleicher,-Die Deutsche Sprache.

- German Literature from 1150 to 1350 :--Mediæval Classic Writers--Epic, Lyric and Didactic Poetry--(Kurz, Leitfaden zur Geschichte der deutschen Litteratur).
- With the Additional Department, prescribed for this year (excepting 'Moschzisker').

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 Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules :--

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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.

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.

#### § VII. LICENSED BOARDING-HOUSES.

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

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

2. Persons applying for a license to keep 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. FEES.

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

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| Library Fee 4   | C | 0  |
| Gymnasium Fee 2 | 5 | 50 |
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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 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 are applied to the purchase of books for the Library.]

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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.

#### § IX. COURSES OF LECTURES.

#### I. ORDINARY COURSE.

#### I. CLASSICAL LITERATURE AND HISTORY.

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

#### GREEK.

| First Y | ear.—XENOPHON.—HELENICS, Book II. |
|---------|-----------------------------------|
| Second  | YearEURIPIDESMEDEA.               |
| Third ] | VearDEMOSTHENESOLYNTHIACS.        |
|         | AESCHYLUSPROMETHEUS VINCTUS.      |
| Fourth  | VearAESCHINESCONTRA CTESIPHONTEM. |
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#### LATIN.

| First Year VIRGIL ÆNEID, BOOK VII.               |
|--|
| CICEROEPISTOLAE SELECTAE.                        |
| Latin Prose Composition.                         |
| Second YearHORACEEPISTLES, Book I.               |
| TACITUS GERMANIA, Chaps. I. XXVII, and AGRICOLA. |
| Latin Prose Composition.                         |
| Third YearJUVENALSATIRES VIII. and X.            |
| PLAUTUS.—AULULARIA.                              |
| Latin Prose Composition.                         |
| Fourth Year TACITUS ANNALS, Book II.             |
| Latin Prose Composition.                         |
|  |

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

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#### 2. ENGLISH LANGUAGE AND LITERATURE.

#### (MOLSON PROFESSORSHIP.)

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

First Year.—English Language and Literature. Three Lectures a week. The Lectures on Language exemplify the more important features in the history of English : Exercises on Analysis are given in once a week. The Lectures on Literature comprise the period between the Celts and Wordsworth. Students who have leisure will be advised as to their reading.

Second Year.—A Period of English Literature, and one Play of Shakespeare. One Lecture 3 week.

During the Session of 1882-3, the Chief Poets and Prose writers of the Victorian period will form the subject of the Lectures. Shakes-peare—*empest*.

Third Year.—Chaucer's Prologue to Canterbury Tales. Lecture once a week.

Text-Book, Chaucer's Prologue, &c. Ed. Morris.

Additional Department—Early English—Morris and Skeat, extt. I.-IX. inclusive. Shakespeare—One Play.

Milton; Comus; Areopagitica; Par. Lost, Books I.-II.

Burke—Thoughts on Present Discontents; Reflections on French Revolution.

History-Green, to Stuart period.

Fourth Year.-History.

The Lectures will be a sketch of general European History from the fall of the Roman Empire to the end of the Eighteenth Century.

Additional Department.—Anglo Saxon; Earle's Introduction and portions of Sweet's Reader.

Spenser-Faerie Queene, Book I.

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

Tennyson-In Memoriam.

History-Hallam's Middle Ages, 2 caps.

Buckle, Hist. of Civ. in England, 4 caps.

(The Lectures of the Additional Department in each year are comprised in a portion of the Honour Lectures.)

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#### 3. MENTAL AND MORAL PHILOSOPHY.

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

Second Year .- First Term .- Elementary Psychology. Second Term .- Logic.

- Third Year.—Additional Department.—Advanced Logic and Psychology, leading to a discussion of the controversy between Idealism and Empirical Evolutionism. Text-books :— Mill's System of Logic (Books I., II., III.), and Murray's Outline of Hamilton's Philosophy.
- Fourth Year.—First Term.—The Psychological Basis of Ethics. Second Term.— Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. Additional Department:—Modern Philosophical Systems.

In the Third and Fourth Years Students are also required to write Occasional Essays on Philosophical Subjects.

#### 4. 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 imaginaire. Dictation. Colloquial exercises. Second Year .- DE FIVAS, Grammaire des Grammaires. MOLIERE, l'Avare.-RACINE, Phèdre. 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, Horace. Translation into French :---GOLDSMITH, The Vicar of Wakefield. French Composition. Dictation. Les Ecrivains modernes de la France :- Bonnefon. Additional Department.-LA FONTAINE, les fables. RACINE, Les Plaideurs. PONSARD, l'Honneur et l'Argent. PAUL ALBERT, Litterature du XVII. et XVIII. siècle. POITEVIN, Grammaire élémentaire. Translation into French :- GOLDSMITH :- The Vicar of Wakefield. 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.

#### Additional Department.—MOLIERE, le Misanthrope. AUG. BRACHET, Grammaire Historique. BONNEFON, Les Auteurs Modernes. EMILE SOUVESTRE, Un Philosophe sous les toits. Translation into French :—The Vicar of Wakefield.

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

#### 5. GERMAN LANGUAGE AND LITERATURE.

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

#### I. Ordinary Course.

First and Second Years.—Schmidt's German Guide (1st, 2nd, and part of 3rd Course); Adler's Progressive German Reader (Selections from Sections 1-5); Translations, oral and written. Exercises in Parsing.

Third and Fourth Years.—Schmidt's German Guide (3rd part cont.); Whitney's Grammar (excerpts); Chamisso, Peter Schlemihl; Lessing, Minna von Barnhelm; Schiller, Wallenstein; History of German Literature from the earliest periods to the close of the 18th century (a brief survey, by the Professor); Translation into German; German Prose Composition.

II. Additional Department.

- Third Year.—Whitney's German Grammar; Schiller, Wilhelm Tell; Tieck, Genovena; Koerner, Leyer and Schwert; History of German Literature (as in the Ordinary Course); Translation from English Prose writers.
- Fourth Year.—Whitney's Grammar (cont.); Goethe, Iphigenie auf Tauris; Lessing, Nathan der Weise; Schiller, Geschichte des 30 jahrigen Krieges; Moschzisker's Guide to German Literature (Epoch VII., Sections I.-VI.; 1750-1850); Translation from English writers; German Prose Composition.

#### 6. 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. Additional The Chala The Chala The Chala The Syria The course in particular, w and peculiaritie attention, whil explained by re

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Additional Department (Optional) ;-for Third and Fourth Years. 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.

#### 7. 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.

#### 8. 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.)

MATHEMATIC: .- (First Year) -- Arithmetic. -- Euclid, Books I, 2, 3, 4, 6, with Definitions of Book 5 (omitting propositions 27, 28, 29, of Book 6), Tod-Hunter's Edition. -- Colenso's Algebra (Part I.) to end of Quadratic Equations. --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. The course for the Intermediate University Examination consists of the Mathematics for the first two years.

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

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

A few special lectures may be given in the Additional Department towards the end of the Session.

ASTRONOMY.-(Optional.)-(Fourth Year)-Galbraith and Haughton's Astronomy-The lectures on this subject will be given before Christmas. This, with Optics, forms the Additional Department for the Fourth Year.

EXPERIMENTAL PHYSICS.—(*Third and Fourth Years*)—I.—Light.—Theories.—Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarization. 2.—Heat.—Dilatation of Solids, Liquids and Gases.— Specific and Latent Heat.—Radiation and Conduction.—Mechanical Theory of Heat. 3.—Electricity.—Statical and Dynamical :—including Electro-Magnetism— Magneto-Electricity.—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 1882-83 are Electricity, Magnetism, and Sound. The Lectures in Mathematical and Experimental Physics will be illustrated by Apparatus, of which the College has a very good collection.

#### 9. 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 and the great plicates of the in Botany of

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MINERALOGY AND GEOLOGY.—(Fourth Year.) I. Mineralogy and Lithology.—An elementary course in which attention is paid more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

2. Stratigraphy, Chronological Geology and Palaeontology.--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.

Additional Department.

in Botany of the previous session.]

Species.

Third Year.-CHEMISTRY-Theoretical and Practical Chemistry.

GEOLOGY .- Museum Studies in Palæontology.

Fourth Year.—MINERALOGY AND LITHOLOGY. Chemical and Physical characters of Minerals, including Crystallography, the methods of determining species, and Descriptive Mineralogy. Composition of Rocks and their structure on the small scale; Classification of Rocks.

GEOLOGY .- Geology of British America.

Or instead of the above, the Student may take a course of Practical Chemistry, in continuation of that of the Third Year.

#### IO. 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, Quantivalence, 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

[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

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

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

II. GEOLOGICAL COURSE.

Nutriora of compounds, &.c. A few Lectures are also devoted to the consideration of some of the more important Organic Substances, including Starch, Sugar, the Vegetable Acids, Alcohol, Albumen, &.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 .- Nichol's Abridgment of Eliot and Storer's Manual of Chemistry.

#### II. 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 examinaion on the construction and use of Meteorological Instruments and on the general acts of Meteorology.

#### 12. 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. Hesiod.—Works and Days. Æschylus.—Prometheus Vinctus. "Seven against Thebes. Sophocles.—Antigone. Euripides.—Hippolytus. Aristophanes.—The Frogs.

#### Text-Books :-

- 1. Grote' 2. Arnole
- 3. Momn
- 4. Mahai
- 5. Cruttw
- 6. Cruttw
- 7. Donale

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The Lectu Modern Philoss will comprise tl eight in the Fo I. Schweg 2. Cicero's 3. Berkele 4. Thomso 5. Aristotl 6. Descarta 7. Spinoza ation of some ar, the Vegeis called, as turing indusng a balance ad blowpipe,

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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 :-

- I. Grote's History of Greece.
- 2. Arnold's History of Rome.
- 3. Mommsen's History of Rome.
- 4. Mahaffy's History of Greek Literature.
- 5. Cruttwell's History of Roman Literature.
- 6. Cruttwell and Banton's Specimens of Roman Literature.
- 7. Donaldson's Theatre of the Greeks.

#### IV. COMPOSITION.

- I. 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. MENTAL AND MORAL PHILOSOPHY.

The Lectures are devoted mainly to Ancient Philosophy in the Third Year, to Modern Philosophy in the Fourth. In addition to the Lectures, the Examination will comprise the first four of the following subjects in the Third Year, the last eight in the Fourth :--

- I. Schwegler's History of Philosophy, Chapters I-2I inclusive.
- 2. Cicero's De Natura Deorum.
- 3. Berkeley's Principles of Human Knowledge.
- 4. Thomson's Outlines of the Laws of Thought.
- 5. Aristotle's Nicomachean Ethics.
- 6. Descartes' Method and Meditations.
- 7. Spinoza's Ethics.

8. Kant's Critique of Pure Reason.

9. Kant's Critique of Practical Reason.

10. Mill's System of Logic.

II. Spencer's First Principles.

12. Maine's Ancient Law.

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

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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 follow ng 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. *Literature*.—A course of some of the special Honour subjects. *Listory*.—Honour students are required to attend the Ordinary course of lectures 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. History .- Th

Language.-1

Literature.---

History .- Ho

MATHEM &\*c.--Wood': MATHEM --Salmon's C Differential au MATHEM Chapter I4).-Chaps I, 2, son's Optics.-

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Campbell—The Pleasures 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.

#### 4. MATHEMATICS AND PHYSICS.

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

MATHEMATICS.—(Second Year.)—Hind's Plane and Spherical Trigonometry. —Salmon's Conic Sections, chapters I to 7 and 9 to I3 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.—Godfray's Astronomy.

#### 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 Hydrome.

--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.—Maxwell's Elementary Electricity.

HEAT, ACOUSTICS, As in ordinary course.

Engineering students may be candidates for Honours.

#### COURSE FOR THE ANNE MOLSON MATHEMATICAL PRIZE.

The Mathematical Physics of the Third Year Honour Course; Lloyd's Wave Theory of Light; Salmon's Geometry of Three Dimensions (first six chapters); Williamson's Differential and Integral Calculus.

The value of the prize is about \$64. It is open for competition to Fourth Year students in September 1882.

#### 5. NATURAL HISTORY AND GEOLOGY.

#### THIRD YEAR.

(1) *Mineralogy*:--Crystallography. Physical and Chemical Properties of Mineráls. 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, Quantivalent Ratios, &c. Description of Rocks; Microscopic Examin ation of Minerals and Rocks.

Acctures in the Undergraduate Course in the Zaculty of Arts.

1882-83.

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SESSION

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TUESDAY

MONDAY

HOURS

(2) General Geology and Palaeontology:—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. Textbooks :--Geikie's Field Geology, 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.

#### 6. MODERN LANGUAGES WITH HISTORY.

See LORNE MEDAL Course.

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# Fectures in the Codergraduate Course in the Faculty of Arts. SESSION OF 1882-83.

|         | HOURS.                   | MONDAY.  | TUESDAY.   | WEDNESDAY.  | THURSDAY.   | FRIDAY.  |
|---------|--------------------------|--|--|---|---|--|
| TEAR.   | 9<br>11<br>12            | Classics.<br>Mathematics.<br>English.<br>Elementary Chemistry.                                   | * French. (d)<br>Classics.<br>† Mathematics. (b) (d)<br>* German. * Hebrew.                  | English.<br>Classics.<br>* French.<br>Mathematics.  | * French. (d)<br>Classics.<br>† Mathematics. (b) (d)<br>* German. * Hebrew.                                       | Mathematics.<br>Classics.<br>English.<br>Elementary Chemist ry.                              |
| XEAR.   | 9<br>10<br>12<br>12      | *French.<br>Classics.<br>Mathematics.  | Logic.<br>Botany.<br>Classics.<br>* Gernan. (c)  | *French.<br>Logic.<br>† Mathematics.<br>English.  | *German.<br>Botany.<br>Classics.<br>*German. (c)  | * French.<br>* German. † Mathematics.<br>Classics.<br>Logic.                                 |
| THIRD.  | 9<br>10<br>11<br>12<br>1 | English Literature.<br>German. †Math. Physics.<br>† Mental Philosophy.<br>Mental Philosophy. (c) | Classics.<br>French. †Ment. Phil.<br>Zoology.<br>Fhysics [Experimental]<br>Hebrew.           | † Classics. † Math. Phy.<br>† Anglo-Saxon. (¢)<br>Physics [Mathematical]<br>Mental Philosophy. (¢)<br>Rhetoric. | Classics.<br>French.<br>Theoretical Chemistry (e)<br>Zoology<br>Fhysics [Experimental]<br>Hebrew.                 | † Classics. † English.(e) † Geol.<br>Physics [Mathematical].<br>† Mathematical Physics.      |
| FOURTH. | 9<br>10<br>12<br>12      | †Geology.<br>Geology.<br>Classics.<br>† English. Moral Phil.                                     | Astronomy (a) (e).<br>†M. Phy. French.<br>German.<br>Moral Phil.<br>†Physics [Experimental]. | † Classics. Geology.<br>English Literature. (e)<br>Classics.<br>† Geology. †Math. Physics.                      | Astronomy (a) (e).<br>Math. Phys. †Mental Phil.<br>Gernan.<br>Moral Phil.<br>§ Physics [Experimental].<br>Hebrew. | † Geology. † Classics.<br>Geology.<br>French. † Ånglo-Saxon<br>and Early English.<br>German. |

(a) During First Term. (b) Except from Nov. 2nd to Christmas. (c) For beginners entering 2nd Year. + For Candidates for Honours.
\* The Student may take at his option French or German in the First two years, or, if a Theological Student, Hebrew. § From Nov. 2nd.
Classes at 1 P.M. may be changed to other hours. (d) The First Year lecture hours in French and Honour Mathematics will be interchanged after Nov. 18th.
(e) Additional Department.
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.
Determinative Mineralogy, Wednesday at 2 P.M.; Fractical Chemistry, Monday and Thursday at 2 P.M.

Professors :-- C ł ł N Lecturer : - C De The Ins preliminary t such Students the Professio engaged in Manufacturii Four dis (I).—C Mining Engi Each of three years, a Student. The Thi divided into Section III. The Dea duates of this Examination lor of Applie particular bra " Master of ] 2, or 3, and ( pursued Cou Examina of Applied S

# faculty of Applied Science.

THE PRINCIPAL (ex-officio).

| Professors :- | -GIRDWOOD,  | Assoc |
|---------------|-------------|-------|
|               | HARRINGTON. |       |
|               | BOVEY.      |       |
|               | McLEOD.     |       |
| Lecturer :    | CHANDLER.   |       |
|               |             |       |

Deciate Professors :--Dawson. Markgraf. Johnson. 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 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 Examination 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 and Land Sur-

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veying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or 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 exempted from the Steam Engine and Hydraulics, or from the Designing of the Fourth Year.

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

#### § I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation must present themselves for examination on the 15th of September, 1882. 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 examination will be :---

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

> English.—Grammar (including Analysis), composition and the leading 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 (as in Colenso's Algebra, Part I). Euclid.—Books I., II., III., IV., VI., and XI., and the definitions of Book V. Plane

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§ II

I. THE I Right Honora The Lori of the three c Candidates m course, and t first in the A The follc Session 1882-(I).—Th Society of Mc Scott), to Stud being :---(a).—The { Cap. I.; Sir W (2).—An to Students being :--(a).-The ! (3).-Athe Third and (4).-Tv one year or for the ; pass the ds of Exe entering ance. beginning ention to urveyors, specially ay be exbesigning

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rt I). ions of Plane Trigonometry.-Including solution of Triangles, and the use of Mathematical Tables.

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

## § II. MEDAL, EXHIBITIONS AND PRIZES.

I. THE LORNE SILVER MEDAL (the gift of His Excellency The Right Honorable 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.

The following will be offered for competition at the opening of Session 1882-83:---

(1).—The Scott Exhibition of \$66 (founded by the Caledonian Society of Montreal in commemoration of the Centenary of Sir Walter Scott), to Students entering the *Third* Year, the subjects of examination being :—

(a).—The Summer Report. (b).—Macaulay's History of England, Vol. I., Cap. I.; Sir Walter Scott's Lady of the Lake. (c).—Mechanism.

(2).—An Exhibition of \$50, presented by A. T. Drummond, Esq., to Students entering the *Fourth* Year, the subjects of examination being :—

(a).-The Summer Report. (b).-Applied Mechanics.

(3).—A Prize in books, to the value of \$25, to Students entering the *Third* and *Fourth* Years, for the best Summer Report.

(4).-Two Prizes of \$25 each, one to Students entering the

Fourth Year, the other to Students entering the Third Year, the subjects of Examination being the Trigonometry, Analytical Geometry, and Calculus of the First and Second Years.

(5)—.A Prize of \$25, for the Mathematical subjects of the Second Year Matriculation, open to all Students entering the Second Year.

(6).—An Exhibition of \$100, presented by J. H. Burland, Esq., to Students entering the *Second* Year, the subjects of examination being :—

(a).-Inorganic Chemistry.-(b) Elements of Organic Chemistry.-(c) Practical Chemistry.

(7).—The Faculty may, at its discretion, offer to a Graduate or Student of the *Fourth* year, an amount not less than the fees of the Fourth year, in consideration of assistance in such portions of the work as may be arranged by the Faculty.

#### § III. SPECIAL PROVISIONS.

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

3. 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 and not lower than the Second Class in Mathematics, have the privilege of entering the Second Year in Applied Science, and will be exempted from one of the departments in the Third and Fourth Years in Arts.

5. Undergraduates in Arts of the Second 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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#### CIVIL ENGINEERIN

Arithmetic. Euclid Algebra. Trigonome try. Geometrical Conics. Solid Geometry. Descriptive Geomet (Optional.) Freehand Drawing. Chemistry.

English. French or German.

Mechanism. Materials. Surveying. Bridge Construction Descriptive Geome: Algebra. Analytical Geometry Calculus. Mathematical Physi Experimental Physi Zoology. English. French or German.

Applied Mechanics Materials Surveying. Bridge Construction Drawing. Sphl. Trigonometry Practical Astronomy Mathematical Phys Experimental Phys Geology. Modern Languages.

Applied Mechanics

Hydraulics. Bridge Construction Thermodynamics.

Graphical Statics. Steam Engine. Materials. Designs. Estimates. Spec'n Modern Languages.

(1) During the selves in some pract to prepare a report given for this Repo (2) Students ar the sanction of the l t English or Fr

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# 53 § IV. COURSES OF STUDY FOR SESSION 1882-83.

A. ORDINARY COURSE.

#### FIRST YEAR.

| CHANICAL EN-  | 1  | and the second   |
|---|--|---|
| GINEERING.  | MINING ENGINEER-<br>ING.   | PRACTICAL CHEM-<br>ISTRY.   |
| metic. Euclid.<br>ora. Trigonome-   | Arithmetic. Euclid.<br>Algebra. Trigonome-   | Arithmetic. Euclid.<br>Algebra. Trigonome-  |
| etrical Conice  | Competrical Conica   | try.  |
| Geometry.   | Solid Geometry   | Solid Geometry  |
| iptive Geometry.  | Descriptive Geometry.  | Descriptive Geometry  |
| tional.)  | (Optional.)  | (Optional.)   |
| and Drawing.  | Freehand Drawing.  | Freehand Drawing.   |
| istry.  | Chemistry.   | Chemistry.  |
| h or German.  | French or German.  | French or German  |
| SECON   | D YEAR.  | richen of Octimut.  |
| anism   | Practical Chemistry  | Practical Chemistry   |
| rials.  | Mechanism.   | ractical Chemistry.   |
| ying.   | Surveying.   | Descriptive Geometry.   |
| e Coustruction.   | Bridge Construction.   |   |
| iptive Geometry.  | Descriptive Geometry   |   |
| ra.   | Algebra.   |   |
| lus.  | Calculus.  |   |
| ematical Physics.   | Mathematical Physics.  | Mathematical Physics.   |
| imental Physics.  | Experimental Physics.  | Experimental Physics.   |
| anical Work.  | Zoology.   | Botany.   |
| h.  | English.   | English.  |
| n or German.  | French of German.  | French of German.   |
| THIRD   | YEAR.  |   |
| ed Mechanics.   | Applied Mechanics.   | Practical Chemistry.  |
| lais.   | Materials.   | A seaving   |
| e Construction.   | Bridge Construction.   | Blowpipe Analysis.  |
| ing.  | Practical Chemistry.   | Mineralogy.   |
| -8  | Blowpipe Analysis.   |   |
|   | Drawing.   |   |
| ematical Physics.   | Mathematical Physics.  | Mathemotical Physics  |
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| imental Physics.<br>mical Work.<br>m Languages. †   | Experimental Physics.<br>Geology ct Mineralogy<br>Modern Languages.†   | Experimental Physics.<br>Zoology.<br>Modern Languages.  |
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(1) During the summer recess, the Students in the 2nd, 3rd and 4th years are to employ themselves in some practical work (Mechanical Engineering students in work-shop) and they are also to prepare a report on such work, to be handed in not later than October 1st. Credit will be given for this Report (or Essay) in the subsequent Sessional Examinations.

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

† English or French or German.

\* Modern languages not imperative in the Fourth Year.

#### 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 may be exempted from the Modern Languages of that Year.

#### § V. 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 Mathematics and 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 :---

I. In all the subjects of the Fourth Year.

2. In the Applied Mechanics of previous years.

3. In the Pure Mathematics of previous years.

A Problem Paper will also be set on the Technical subjects, and will serve to determine the relative standing of Students.

Mining Students may substitute Mining and Mineralogy for the Applied Mechanics of No. 2.

Practical Chemistry Students are exempted from Nos. 2 and 3 of the above, but are liable for a special Examination in Theoretical 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 Examination in Mathematics is to be held at the Christmas preceding the Final.

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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.

2

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 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.

#### § VI. ATTENDANCE AND CONDUCT.

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

#### § VII. LIBRARY AND MUSEUM.

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

#### § III. 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.—Ist Year, \$45; 2nd, 3rd and 4th Years, \$55; Library, \$4. In all \$49 to \$59 for each Session.

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

The B. A. 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 stu fees to the amou additional fee is Students tr are required to Occasional paying a fee of

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y year, of the 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 1882-83 will be Bridge Construction.

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 Engine, Vertical Water Wheels, Turbines, Centrifugal Pumps*), Pneumatics.

#### Thermo-Dynamics 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, Organs of Transmission.

(d). The construction of Special Machines.

#### Designs, Estimates, &c.

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

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

#### 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.

(a). Balancing Machinery.

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#### 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 quantity 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.

#### IV. DESCRIPTIVE GEOMETRY AND SURVEYING.

#### Professor :---C. H. MCLEOD, MA.E.

Descriptive Geometry.

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

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

#### Surveying.

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

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

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

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

#### V. CHEMISTRY.

#### Lecturer :- B. J. HARRINGTON, B.A., PH.D.

A course of lectures, illustrated by experiments, is given to all students of the First Year, on the preparation and properties of the non-metallic and metallic Elements and many of their Compounds, and on the elementary principles of Organic Chemistry. Students taking these lectures must also devote at least one afternoon a week to practical work in the laboratory.

In the Second and Third Years additional instruction will be given to students of the Mining and Chemistry Courses in practical work. Students in the Third Year of the Chemistry course will also attend one hour a week in Theoretical Chemistry.

#### 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 Students 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.

#### VII. GEOLOGY.

Professor :- J. W. DAWSON, LL.D., F.R.S. (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.

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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, six books. (2) Loci, Transversals, &c. (3 Algebra, to Progressions. (4) Plane Trigonometry and the use of Mathematical Tables. (5) Elements of Solid Geometry. (6) Geometrical Conic Sections.

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

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

#### IX. EXPERIMENTAL PHYSICS.

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

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

The subjects for the Session 1882-83 are Electricity and Sound.

#### X. ENGLISH LANGUAGE AND LITERATURE.

Professor :---CHARLES E. MOYSE, B.A. (Molson Professor of English Language and Literature.)

FIRST YEAR.—English Language and Literature. SECOND YEAR.—A special course on English Composition. THIRD 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.

# LECTURE Hours

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YEARS.

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#### XII. METEOROLOGY.

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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.

Civil Engineering and Applied Mechanics :- Rankine, Collignon, Weisbach, Van Buren, Reuleaux.

Machinery, etc. :- Goodeve, Willis, Rankine, Knight, Rose, Shelley, Fairbairn.

Thermodynamics :- Maxwell, Clausius (tr. by Browne), Rontgen (tr .by DuBois).

Steam Engine :- Rankine, Rigg, Marks.

Steam Boiler :- Wilson.

Moulding and Founding :-- Overman.

Materials :- Notes on Building Construction (Rivington pub.), Gilmore.

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 :- Nichol's Abridgment of Eliot and Storer's Manual of Chemistry. Fresenius' Manuals of Qualitative and Quantitative Analysis.

Assaying :- Rickett's Notes on Assaying, Chapman's Assay Notes.

Mathematics :- Todhunter's Euclid, Colenso's Algebra (Part I.), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Briggs's Analytical Geometry, ---- 's Calculus, Goodeve's Principles of Mechanics, Chambers's Practical Mathematics.

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|              | 9                                       |   | Mathematics.<br>French.  |                                     | Mathematics.   | Mathematics.   |
|              | 10                                      | Mathematics.  |  | French.                             |  |  |
| EAF          | 11                                      | English.  | French   | English.                            | French   | English.   |
| ¥            | 12                                      | Chemistry.  | German.  | Mathematics.                        | German.  | Chemistry.   |
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|              | 9                                       | French.   | Materials.   |                                     | Bridge Constn.   | ) French.<br>) German.                                 |
| AR.          | 10                                      | Mech. Work.   | Botany.*   | Surveying.                          | Botany.*<br>Mathematics.   | German.  |
| ΥE           | 11                                      | Mathematics.  | Zoology.   | Math, Physics.                      | Zoology.   | Math.Physics   |
| 0            | 12                                      | German.   | Exp. Physics.*   | French.<br>German.                  | Exp. Physics.  | English.   |
| CON          | 2                                       | Surveying.<br>Prac. Chem.   | Mechanism.   |                                     | Drawing.<br>Prac. Chem.<br>Mech. Work.   | Mechanism.   |
| SB           | 3                                       | Drawing.  | Drawing.*  |                                     | Do   | Drawing.*  |
|              | 4                                       | Do  | Do *   |                                     | Do   | Do *   |
|              | 9                                       | App. Mech.  | Materials.   | Geology.<br>Machinery.              | Bridge Constn.   | Geology.*<br>German.                                   |
| 0            | 10                                      | Geology.<br>Mech. Work.   | French.<br>German  | Mathematics.                        | French & Ger.<br>Theor. Chem.  | Geology.<br>Machinery.                                 |
| EAI          | 11                                      | App. Mech.<br>(Advanced.)   |  | German.                             |  |  |
| ۲            | 12                                      | Mat. Physics.   | Exp. Physics.  | German.                             | Exp. Physics.  | Math.Physics   |
| 2            | 2                                       | Prac. Chem.   | Drawing.   | { Blowpipe<br>Analysis.             | Prac. Chem.  | Drawing.   |
| Ŧ            |   | ( Drawing.  |  | ( sum your                          | Mech. Work.  |  |
| THI          | 3                                       | Surveying.  | Drawing.   |                                     | Drawing.<br>Surveying.   | Do   |
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| AR. THII     | 3<br>4<br>9<br>10                       | Construction.   | { Drawing.<br>{ Mining.<br>App. Mech.<br>Materials.<br>Designing.                                    | Designing.                          | Mech. Work.<br>Drawing.<br>Surveying.<br>Do<br>Bridge Constri.<br>Construction.  | Do<br>App. Mech.<br>Geology.*                          |
| YEAR. THII   | 3<br>4<br>9<br>10<br>11                 | Construction.<br>App. Mech.<br>(Advanced.)  | { Drawing.<br>Mining.<br>App. Mech.<br>Materials.<br>Designing.<br>Do                                | Designing,<br>Do<br>Do              | Mech. Work.<br>Drawing.<br>Surveying.<br>Do<br>Bridge Constn.<br>Construction.<br>App. Mech.<br>(Advanced.)  | Do<br>App. Mech.<br>Geology.*                          |
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\* For Mining Students only. Field work for Students of the and 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.

Professors :— S V H M C F

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The fift versity will k eral Introduc on Tuesday, will be conti The Ma within the U Students' wa a large and v The clauing candidat ing bodies of and Surgeon To mee North Amer cians and Su-

# faculty of Medicine.

THE PRINCIPAL (ex-officio).

Professors :---

SCOTT, WRIGHT, HOWARD, MCCALLUM, CRAIK, FENWICK, Professors :—DRAKE, GIRDWOOD, Ross, Osler, Roddick, Gardner.

Acting Dean.-R. P. HOWARD, M.D.

Registrar .- W. OSLER, M.D.

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

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

The fiftieth Session of the Medical Faculty of McGill University will be opened on Monday, October 2nd, 1882, with a general Introductory Lecture at 11 a. m. The regular lectures will begin on Tuesday, 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.

#### Ι.

#### 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 Friday and Saturday in March and the first Friday and 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,

\* The ability of the candidate will be fully tested in the following :—"(I) 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."

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including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects :—(a) Greek, (b) French, (c) German, (d) Italian, (e) any other modern language, (f) Logic, (g) Botany, (h) Elementary Chemistry.

TEXT-BOOKS.—Latin,—Cicero Oratures 1 and 2 against Cateline; 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 the 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 21st of September, 1882, at Quebec, and on Thursday, the 5th of May, 1883, 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," The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the 4th year.

### (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.  $^{\prime\prime}$ 

II.

#### ENREGISTRATION AND PAYMENT OF FEES.

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 Reg rar a ticket of \$4; exc Students of The s each year, by, the Re stances) at Enreg Students, v

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in the Register of the Medical Faculty, and procure from the Regisrar 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, The fees are payable to, and all class tickets will be issued by, the Registrar, and must be paid (except under special circumstances) at the time of enregistering.

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 Miscrosope—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 quantative analysis, toxicological investigations, &.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 by experiments with apparatus.

(2) Practical Physiology :—In addition to the demonstrations in the Lectureroom, the senior members of the class have an opportunity of attending the following. (a) Physiological chemistry (weekly until Christmas), in which each student works over the essentials in the chemistry of digestion, the secretions and the urine. (b) A special demonstration course in Experimental Physiology (weekly, after Christmas) with the use of apparatus. Candidates for the Morrice scholarship must take these classes.

(3) Histology.—Ist. Normal. A bi-weekly course of lessons throughout the session. Microscopes, re-agents and material provided. 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. 2nd. Pathological, including the Microscope in relation to Practical medicine. B,—weekly in the Summer Session.

(b) Pathology, comprising,

(I) Twenty lectures on General Pathology to the students of the 3rd year.

(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.

(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

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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 illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates illustrative of the histological and anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

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.—The lectures on this subject are divided into, Ist. Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previous summer session. The various surgical apparatus are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery forms a special department of this course, and Quain's and Maclise's plates are used in illustration.

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 are examined by the senior Students. The Surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, etc. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operation. 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. The course comprises lectures on Drinking water and Public water supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contraindications, etc. Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.

14 Ophthalmology and Otology.—[Dr. Buller.]—Will include a course of 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 exhibi cial care of g them. A Co may wish to a

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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 miscroscope. 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.-Students have an opportunity of attending a course of eight 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 :

Ist. No one shall be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not either :- Ist, 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, andly, have furnished proof that he has studied medicine during at least four years,

and during that time have attended Lectures for a period of at least three six months' Sessions, including the 1st and 4th, either in this University, or some other University, College, or School of Medicine approved of by this University.

and. 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.           | Of which two |
| Midwifery and Diseases of Women and Children. | will be req  |
| Theory and Practice of Medicine.              | six months'  |
| Practical Anatomy.                            |              |
| Clinical Medicine.                            |              |
| Clinical Surgery.                             |              |
|   |              |

Medical Jurisprudence.

Practical Chemistry.

Botany or Zoology.

Hygiene.

o Courses juired of duration.

Of which one Course of six months, or two Courses of three months, will be required.

Of which one Course will be required of three months' duration.

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

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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 :--

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-

HISTOLOGY. BOTANY. CHEMICAL PHYSICS.—including—Molecular Forces, Heat, Light, Electricity and Magnetism.

# and Year-Primary, Pass Examination.

ANATOMY. PRACTICAL ANATOMY. PHYSIOLOGY. CHEMISTRY. PRACTICAL CHEMISTRY. MATERIA MEDICA.

### 3rd Year-

MEDICAL JURISPRUDENCE WITH TOXICOLOGY. HYGIENE.\* GENERAL PATHOLOGY.

4th Year-

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, and an equitable division is made between the Primary and Final branches.

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

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.

# SC 1st. The

graduating cl for the best e Branches. and. A and oral, in t to compete for 3rd. A ] and oral, in t 4th. The tion in Theo: examination 5th. A ! Morrice, ten theoretical an A prize A prize A mone must be St collections o

### Distribu

Anatomy Institutes Dem Materia M Chemistry Botany.. Practical Dissecting Enregistra Te

# SCHOLARSHIPS, MEDALS AND PRIZES.

VI.

rst. 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   | IO   | 00 |
| Dissecting Material   | 5    | 00 |
| Enregistration  | 4    | 00 |
| Total   | \$76 | 00 |

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### SECOND YEAR.

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

# THIRD YEAR.

| Clinical Medicine 12 (  | 0 |
|-------------------------|---|
|                         | o |
| Surgery 12 (            | 0 |
| Clinical Surgery 12 (   | o |
| Midwifery 12 (          | ю |
| Med. Jurisprudence 10 a | ю |
| Enregistration 4 G      | 0 |
|                         | - |

# Total ...... \$74 00

### FOURTH YEAR.

The same with the omission of Jurisprudence-Total..... \$64 oo

### HOSPITAL FEES.

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

|               |      |         |      |        |         |           |            | \$33 00  |      |
|---------------|------|---------|------|--------|---------|-----------|------------|----------|------|
| Graduation F  | 'ee  |         |      |        |         |           |            |          | \$21 |
| Matriculation | Fee, | payable | only | if the | Student | takes the | University | Matricu- |      |
| lation        |      |         |      |        |         |           |            |          | \$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, to the Registrar, at the time of enregistration.

# VIII.

# TEXT BOOKS.

ANATOMY .--- Gray, Wilson, Sharpey and Quain. PRACTICAL ANATOMY .- Heath's and Ellis' Dissectors, Holden's Dissector and Landmarks.

CHEMISTRY. PRACTICAL ( MATERIA M rington. INSTITUTES ( (Am. H Virchov HISTOLOGY. SURGERY .--PRACTICE O MEDICAL JU Forensi on Insa MIDWIFERY. HYGIENE .---

> Most ( obtained fro in illustratin wax and par Gradua The Cu demonstrate care to atter

This c ing all the st complete file on making volumes. 1 over, a card CHEMISTRY.-Fownes, Miller, Roscoe.

PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.

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

INSTITUTES OF MEDICINE.—*Physiology*.—Dalton, (7th Edit.) Foster, (Am. Edit.) Kirke's Hand-Book, Huxley. *Pathology*.—Green, Virchow on Post-Mortems, Orth's Compendium.

HISTOLOGY.---Osler.

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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-maché models.

Graduates of the University are invited to contribute specimens.

The Curator will be in the Museum every Saturday at 11 a.m. to demonstrate and explain the preparations to any students who may care to attend.

### Χ.

# LIBRARY.

This comprises between over 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.

# MCGILL MEDICAL SOCIETY.

XI.

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 and skin, and do not requir wise come ur The larg ear, now atte opportunity those organs ophthalmosc gain a practi Surgery. OI the out-door attend the sa observation s The shi surgical case CLINICA appointed ev conducts, und reporting of of these offic Students, as sional life. Session to fir primary exan DRESSE door Departi to the Profes

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Physicians. The Op structed as to tions.

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Hoss 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 word 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.

### ST. ANTOINE STREET.

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; and 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, who in rotation assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments. The attendance is on Tuesdays, Thursdays and Saturdays, I-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 nu department Clinical Su

1. In discretion sistence in fessor sha his discret Faculty at Classes.

2. Ab necessity of the Faculty that shall of determined 3. Wh selves in th 4. Wh rules, the I peting for p Corporatio

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nical been for stus, as cess ree, tion næand and ven 'ery y 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.

# RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

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

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-rooms.

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

# XV.

### PAST SESSION.

The total number of students enregistered in this Faculty during the past year was 154, of whom there were, from—

| Ontario,     | 75    | New Brunswick, | 8 |
|--------------|-------|----------------|---|
| Quebec,      | 33    | P. E. Island,  | 8 |
| Nova Scotia, | 6     | Newfoundland,  | 2 |
| Manitoba,    | 2     | West Indies,   | I |
|              | Unite | d States, 19.  |   |

The following gentlemen, 33 in number, have passed their Primary Examination on the following subjects : Anatomy, Practical Anatomy, Chemistry, Practical Chemistry, Materia Medica and Pharmacy, residences are as follows : Addison, James L ..... West Flamboro, Ont. Carruthers, George ...... North Bedeque, P.E.I. Cook, S. E. .... Aultsville, Ont. Davies, T. B..... Ottawa, Ont. Duncan, J. A. ..... Duncanville, Ont. Elderkin, E. J. ..... Apple River, N.S. Gale, Hugh ..... Elora, Ont. Gooding, C. E. ..... Barbadoes, W.I. Graham, G. A..... Hamilton, O. Henry, W. G..... Chatham, O. Johnston, Wyatt G ..... Sherbrooke, Q. Martel, Ovide..... Montreal, Q. Meahan, J. C..... Bathurst, N.B. Maher, J. J. N.Y. Menzies, John ..... Pembroke, O. McDonald, N. J ..... P.E.I. McInernay, J. P. ..... Kingston, N.B. McLean, Isaac N., B.A..... Pictou, N.S. McLean, J. W..... Strathlorne, N.S. McLeod, Arch., B.A.....Orwell, P.E.I. McNeill, Alex..... P.E.I. Nelson, W. M. ..... Montreal, Q. Phippen, S. S. C. ..... Parkhill, O. Porteous, William ..... Pembroke, Ont. Renner, W. Scott ...... Jordan Station, O. Ross, W. K.....Goderich, O. Rowell, George B..... Abbotsford, O. Smith, E. H. ..... Prescott, O. Smyth, Herbert E..... Worcester, Mass. Walker, Felix D..... Launching, P.E.I. Wilson, S. F., M.A..... Springfield, N.B. Wood, E. S...... Faribault, Minn.

The following gentlemen, 27 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 Surgery, 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 :

Burlan Campt Cattan Christi Cousin Derby. Dunca Dunlo Dawso Gale, Grant. Howa Hurdn Klock McCo McDo McLea Musgr Ogden O'Brie O'Kee Ruthe Shaw, Smith Thom Thorn Messr Quebec, ha the comple tion of the Mr. A received hi The fc Allan Barrel Came Doher Fergu Halle Hutch Johns Jolliff

Brown

Institutes of Medicine and Botany or Zoology. Their names and

| Brown, Chas. O La                     | awrenceville, Q.     |
|---------------------------------------|----------------------|
| Burland, Benj. W Po                   | ort Kent, N.Y.       |
| Campbell, LorneMe                     | ontreal, Q.          |
| Cattanach, Angus M Da                 | alhousie Mills, O.   |
| Christie, Edmund La                   | achute, Q.           |
| Cousins, W. COt                       | ttawa, O.            |
| Derby, William J No.                  | orth Plantagenet, O. |
| Duncan, W. T Gr                       | ranby, Q.            |
| Dunlop, H. A Pe                       | embroke, O.          |
| Dawson, Rankin, B.A. (McGill) M       | ontreal, Q.          |
| Gale, HughEl                          | lora, O.             |
| Grant, James A., B.A. (Queen's)       | ttawa, O.            |
| Howard, Robt. J. B., B.A. (McGill)M   | ontreal, Q.          |
| Hurdman, B. F. WA                     | ylmer, Q.            |
| Klock, R. F                           | ylmer, Q.            |
| McCorkill, R. K. C M                  | ontreal, Q.          |
| McDonald, A. R Tr                     | rinity, Texas.       |
| McLean, T. N Pe                       | erth, O.             |
| Musgrove, W. J W                      | est Winchester, O.   |
| Ogden, Henry V., B.A. (Trinity)St     | . Catharines, O.     |
| O'Brien, T. J. Pierce W               | orcester, Mass.      |
| O'Keefe, HenryLi                      | indsay, Ont.         |
| Rutherford, Clarendon, M.A. (Union) W | addington, N.Y.      |
| Shaw, AlexSe                          | eaforth, O.          |
| Smith, E. W., A.B. (Yale)W            | est Meriden, Conn.   |
| Thompson, W. EH                       | arbour Grace, Nfld.  |
| Thornton, H. W., B.A. (McGill) M      | ontreal, Q.          |

Messrs. Howard and Campbell, 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 of the Provincial Board before receiving the degree.

Mr. A. D. Struthers who passed his examination last session, received his degree on this occasion.

The following have passed in Chemistry :--

| Allan, J. H. B                 | Montreal, Q.      |
|--------------------------------|-------------------|
| Barrett, Joseph                | Prescott, O.      |
| Cameron, D. A                  | Strathroy, O.     |
| Doherty, W. W                  | Kingston, N.B.    |
| Ferguson, W. A., B.A. (McGill) | Richibucto, N.B.  |
| Hallett, E. O                  | Truro, N.S.       |
| Hutchison, J. A                | Goderich, O.      |
| Johnson, Charles H             | Almonte, O.       |
| Jolliffe, J. H., B.A           | Cincinnati, Ohio. |

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| Klock, W. HAylmer, Q.                     |
|---|
| Landor, T. JLondon, O.                    |
| McClure, J., B.A. (McGill                 |
| McKenzie, J. T Plainfield, O.             |
| O'Brien, TBrudenell, O.                   |
| Ruttan, R. F. B.A. (Tor.)Napanee, O.      |
| Sharp, J. CSussex, N.B.                   |
| Shibley, J. L., B.A. (Victoria)Yarker, O. |
| Shirriff, G. RHuntingdon, Q.              |
| The following have passed in Anatomy :    |

Fairbanks, Chas. S.Oshawa, O.Hutchison, J. A.Goderich, O.Johnson, Chas. H.Almonte, O.Jolliffe, J. H., B.A.Cincinnati, Ohio.Landor, T. J.London, O.McKenzie, J. T.Plainfield, O.Park, James.Newcastle, N.B.Sharp, J. C.Sussex, N.B.Shirriff, G. R.Huntingdon, Q.Smith, W. A.Montreal, Q.

The following have passed in Practical Anatomy :---McKenzie, J. T.....Plainfield, O. O'Brien, T....Brudenell, O.

The following in Institutes of Medicine :---

| 1  |                |
|--|----------------|
| Doherty, W. W                            | Kingston, N.B. |
| Fairbanks, Chas. S                       | Oshawa, O.     |
| Hutchison, J. A                          | Goderich, O.   |
| Landor, T. J                             | London, O.     |
| McKenzie, J. T                           | Plainfield, O. |
| O'Brien, T                               | Brudenell, O.  |
| Sharp, J. C                              | Sussex, N.B.   |
| The following have passed in Materia Med | ica :—         |
| Cameron, D. A                            | Strathroy, O.  |

| Cameron, D. A                         |
|---------------------------------------|
| Doherty, W. WKingston, N.B.           |
| Fairbanks, Chas. S Oshawa, O.         |
| Ferguson, W. A., B.A Richibucto, N.B. |
| Haldimand, A. W Montreal, Q.          |
| Johnson, C. H Almonte, O.             |
| Landor, T. HLondon, O.                |
| Park, James Newcastle, N.B.           |
| Ross, L. DMontreal, Q.                |

Sharp, Shirriff, Smith,

The fol

Wood (Prize) McMeekin, Trapnell,

Browning, Eberts, Gustin,

McMillan, (I

Groves, Shaw, Erskine, Arthur, Brown, Lynskey, Hanna,

THE PRIMARY A B.A., Mor THE H. V. Ogo THE to George THE ston of Sh The G. Johnst The honourab

# Sharp, J. C ..... Sussex, N.B. Shirriff, G. R ....., Huntingdon, Q. Smith, W. A..... Montreal, Q.

Harkin,

The following have passed in Botany :---

CLASS I.

McGannon,

CLASS II. Osborne,

Hurdman,

McConnel,

Cattanach,

Corsan,

Cassidy,

Platt,

McDonald (H. J.),

McDonald (A. L.),

Palmer,

Daly, CLASS III.

Wood (Prize), McMeekin, Trapnell,

Browning, Eberts, Gustin,

Hallet Willson,

McMillan, (D. L.)

Groves, Shaw, Erskine, Arthur, Brown, Lynskey, Hanna,

Dazé, McMillan (S. A.), Craig, Powell, Aylen.

Irvine,

Baird.

Equal

Rober son,

Carruthers,

McLennan,

Johnson.

Eq

Armitage.

### MEDALS, PRIZES AND HONOURS.

The Holmes Gold Medal for the best Examination in the PRIMARY AND FINAL BRANCHES was awarded to Robert J. B. Howard, B.A., Montreal.

THE PRIZE FOR THE BEST FINAL EXAMINATION was awarded to H. V. Ogden, B.A., of St. Catharines, Ont.

THE PRIZE FOR THE BEST PRIMARY EXAMINATION was awarded to George A. Graham, of Hamilton, Ont.

THE SUTHERLAND GOLD MEDAL was awarded to Wyatt G. Johnston of Sherbrooke, Q.

The Morrice Scholarship in Physiology was awarded to Wyatt G. Johnston, of Sherbrooke, Q.

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

In the Final Examination, H. V. Ogden, B.A., H. W. Thornton, B.A., Rankin Dawson, B.A., E. Christie, Alex. Shaw, and W. T. Duncan.

In the Primary Examination, G. Carruthers, G. B. Rowell, C. E. Gooding, W. G. Johnston, F. D. Walker, E. J. Elderkin, Alex. Mc-\* Neill, W. G. Henry and Arch. McLeod, B.A.

# PROFESSORS' PRIZES.

BOTANY .- First Prize, Edwin G. Wood, of Londesboro, O.

FOR THE BEST COLLECTION OF PLANTS.—W. W. Doherty, of Kingston, N.B.

PRACTICAL ANATOMY.—Demonstrator's Prize, awarded to George Carruthers, of Charlottetown, P.E.I., who was closely pressed by Chas. E. Gooding, of Barbadoes.

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# McGill University.-Faculty of Medicine. ORDER OF LECTURES WINTER SESSION 1882-83.

| <b>A.M.</b> MONDAY.TUESDAY.WEDNESDAY.THUESDAY.FRIDAY. <b>9</b> Anatomy.Anatomy.Anatomy.Anatomy.Anatomy. <b>10</b> Eurgery.Surgery.Surgery.Surgery. <b>10</b> Practical Jurisprudence.General Pathology.Surgery.Surgery. <b>10</b> Practical Chemistry.Botany.Medical Jurisprudence. <b>11</b> Dut-door Patients.Midwifery.Midwifery.Midwifery. <b>11</b> Out-door Patients.Midwifery.Midwifery.Midwifery. <b>11</b> Out-door Patients.Out-door Patients.Midwifery.Midwifery. <b>11</b> Out-door Patients.Midwifery.Midwifery.Midwifery. <b>11</b> Out-door Patients.Out-door Patients.Midwifery.Midwifery. <b>11</b> Out-door Patients.Out-door Patients.Midwifery.Midwifery. <b>12</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital.Monreal General Hospital. <b>11</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital.Midwifery. <b>12</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital.Midwifery. <b>11</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital.Midwifery. <b>12</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital.Clinical Medica. <b>12</b> Monreal General Hospital.Monreal General Hospital.Monreal General Hospital. <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>  |               |  |  |  |  |  |                           |
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| 9Anatomy.Anatomy.Anatomy.Anatomy.Anatomy.10Medical Jurisprudence.General Pathology.Medical Jurisprudence.General Pathology.Medical Jurisprudence.10Practical Chemistry.Surgery.Surgery.Surgery.Surgery.Surgery.11Practical Chemistry.Botany.Practical Chemistry.Midwifery.Midwifery.Midwifery.11Midwifery.Midwifery.Midwifery.Midwifery.Midwifery.Midwifery.11Midwifery.Midwifery.Midwifery.Midwifery.Midwifery.Midwifery.11Montreal General HospitalMidwifery.Midwifery.Midwifery.Midwifery.12Montreal General HospitalMontreal General HospitalMidwifery.Midwifery.Midwifery.12Montreal General HospitalMontreal General HospitalMidwifery.Midwifery.Midwifery.12Montreal General HospitalMontreal General HospitalMidwifery.Midwifery.Midwifery.13Montreal General HospitalMontreal General HospitalMidwifery.Midwifery.Midwifery.13Montreal General HospitalMidwifery.Midwifery.Midwifery.Midwifery.13Montreal General HospitalMidwifery.Midwifery.Midwifery.Midwifery.13Montreal General HospitalClinical Medica.Materia Medica.Materia Medica.Midwifery.13Montreal General HospitalPractice Medica.Materia Medica.   | A.M.          | Monday.  | TUESDAY.   | WEDNESDAY.                                       | THURSDAY.  | FRIDAY.  | SATURDAY.                 |
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| P.M.<br>12.45Clinical Medicine,<br>Clinical Medicine,Clinical Surgery,<br>Clinical Medicine,Clinical Medicine,<br>Clinical Medicine,Clinical Medicine,<br>Clinical Medicine,Clinical Medicine,<br>Clinical Medicine,Clinical Medicine,<br>Clinical Medicine,Clinical Medicine,<br>Materia Medica,Clinical Medica,<br>Materia Medica,Clinical Medica,<br>Materia,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinical Medica,<br>Medica,Clinica,<br>Medica,Clinica,<br>Medica,Clinical Medica, | =             | Out-door Patients.<br>Montreal General Hospital. |                           |
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| 5Practice of Medicine.Practice of Medicine.Practice of Medicine.7Chemistry.Chemistry.Chemistry.Chemistry.8.10Practical Anatomy.Practical Anatomy.Practical Anatomy.Practical Anatomy.  | 4             | Physiology.                                      | Physiology.                                      | Physiology.                                      | Physiology.                                      | Physiology.                                      |                           |
| T         Chemistry.  | 10            | Practice of Medicine.                            |                           |
| 8.10 Practical Anatomy. Practical Anatomy. Practical Anatomy. Practical Anatomy.   |               | Chemistry.                                       | Chemistry.                                       | Chemistry.                                       | Chemistry.                                       | Chemistry.                                       |                           |
|  | 8.10          | Practical Anatomy.                               |                           |

13. The Demonstrator's Hours in the Dissecting room are f. om 10-12 a.m., 8-10 p.m.

12 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. CARTER. KERR. TRENHOLME. WURTELE.

RAINVILLE.

Professors :---ARCHIBALD. LAREAU. HUTCHINSON. ROBIDOUX. DAVIDSON. Lecturer :---HART.

Dean of Faculty.-Professor W. 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 EDMUND LAREAU, B.C.L.

The Classes in Law will commence on Monday, the Second of October, 1882, and will extend to March 31st, 1883.

The Examinations will be held in the William Molson Hall, McGill College Building, from 4 to 6 p. m., on the 8th, 9th, 12th, 13th, 14th, 15th, and 16th days of March, 1883.

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.

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 upon the ce of Bachelor

Legal History

Civil Law: Persons. Property Ownersh

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International Civil and Con Sales...

Roman Law Institute Gaius, C Maine, tures,-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.

# COUFSE OF STUDY.

FIRST YEAR.

|   | Legal History   | Professor LAREAU.     |
|---|---|-----------------------|
|   | Civil Law :<br>Persons<br>Property<br>Ownership   | Professor Robidoux.   |
|   | Roman Law :—         Institutes of Justinian, B. I.         Gaius, C. I.         Maine, Chapters I to IV. | Professor TRENHOLME.  |
|   | Civil and Commercial Law :<br>Commercial Agency   | Professor DAVIDSON.   |
|   | Civil Procedure :<br>Introduction   | Professor HUTCHINSON. |
|   | Criminal Law  | Professor ARCHIBALD.  |
|   | Notarial Course :<br>Theory and Practice of Notarial Deeds and Pro-<br>ceedings                           | Lecturer HART.        |
|   | Legal Biography<br>Civil Law :<br>Rents<br>Transaction<br>Suretyship                                      | Professor LAREAU.     |
|   | Civil Law :   |                       |
|   | Usufruct  | Professor Robidoux.   |
|   | International Law.<br>Civil and Commercial Law :—<br>Sales  | Professor KERR.       |
|   | Roman Law :   |                       |
| • | Institutes of Justinian, B. II. and B.III. to Title 14.<br>Gaius, Chaps. II. and III                      | Professor TRENHOLME.  |

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| Commercial Law :<br>Partnership<br>Corporations  | rofessor Davidson.    |
| Civil Procedure :—<br>First Part   | Professor HUTCHINSON. |
| Criminal Procedure and Election Law:   | Professor ARCHIBALD.  |
| Notarial Course :<br>Theory and Practice of Notarial Deeds and Pro-<br>ceedings  | Lecturer HART.        |
| THIRD YEAR.  |                       |
| Civil Law: Privileges and Hypothecs Prescription   | Professor LAREAU.     |
| Civil Law :  | Professor Robidoux.   |
| International Law:   | Professor KERR.       |
| Roman Law :         Institutes of Justinian, B. III. from Title 14         Maine, Chapters IX. and X         Civil Law :         Mandate         Loan.         Deposit.         Pledge.         Evidence | Professor Trenholme.  |
| Commercial Law :<br>Merchant Shipping<br>Affreightment   | Professor DAVIDSON.   |
| Civil Procedure  |                       |
| Criminal Procedure and Election Law  | Professor ARCHIBALD.  |
| Notarial Course :<br>Theory and Practice of Notarial Deeds and Pro-<br>ceedings  | Lecturer HART.        |

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# II.

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> 3. Stude and shall be studies fixed Faculty.

4. The l each year, a Registrar of a special exa names shall VIDSON.

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# FACULTY REGULATIONS.

I. 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, Bock 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 Litérature ; †Lefranc, Cours de Litérature.

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.

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6. Students who have attended Collegiate courses of study in other Universisitics 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 :—

(I) 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 oeach 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 expuision.

(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 possible

time to time 10. No shall have. at the Sessional his year. II. The shown, to gr Course or Co between the attending Le has prepared approved by 12. The it must fall v pages of this February fo nom de plus bearing the subject of hi after the fina 13. The awarded to Final Exami tion of the 1 special Exar Roman Law 14. Eve following de Ego A. Universitatis et officiis on 15. The Matriculatio Sessional Fe Sessional F Graduation Additional ] Matrici not so paid re-entered b \$3. Stude any Matrici

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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.

IO. 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.

II. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall, in consequence, be made between the Examinations of such Students and those of the Students regularly attending Lectures. No Student shall pass for the degree of B. C. L. unless he has prepared a Thesis, either in French or English, which shall have been 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 mar's 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 FeeSessional Fee by Ordinary StudentsSessional Fee by Occasional or Partial Students, for each courseGraduation Fee, including Diploma and CaseIo ooAdditional Fee for Notarial StudentsIo oo

Matriculation and Sessional Fees must be paid on or before Nov. 1st, and if not so paid the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than 3. Students already on the books of the University shall not be required to pay any Matriculation Fee.

# 16. The Course of Lectures upon the Theory and practice of Notarial deeds and proceedings is optional to candidates for the profession of law, but is compulsory upon candidates for the Notarial profession: the latter may omit the subject of civil procedure.

17. Notarial students shall rank for general standing upon their examinations in the notarial class, and failure to pass such examination shall have the same effect as failure in any other compulsory subject.

18. Occasional students may be admitted into said class on such terms as shall be arranged by the Faculty.

19. Every Candidate for the Degree of D. C. L. in Course, urder 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 twentyfive 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 :

### I) 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, cxxviii. 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) Philosoph Ahrens ments (

(5) Droit Civ Pothier et Com The Examin French or Eng tarial deeds t is compulthe subject

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(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.

# Aniversity School Graminations.

# 1883.

# 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.

### SUBJECTS OF EXAMINATION.

### I. PRELIMINARY SUBJECTS.

| English Reading 30   | Marks |
|--|-------|
| English Dictation 40                                       | do    |
| English Grammar (as in Morell or Smith)                    | do    |
| Arithmetic (all the ordinary rules, including square root) | do    |
| Geography (acquaintance with the maps of each of the four  |       |
| Continents, and of British North America)                  | do    |

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

### II. OPTIONAL SUBJECTS.

### Section 1. Languages.

Latin :-

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

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| Greek :  |          |            |
| Xenophon, Anabasis, Bk. II.<br>Homer, Iliad, Bk. VI. | } 150 do |            |
| French.  | ,        |            |
| Grammar.   | 1 1.     |            |
| Darey's Lectures Françaises.                         | 120 do   | d <b>0</b> |
| German.  |          |            |
| Grammar.   | )        |            |
| Adler's Reader, Section II.                          | 120 do   | 120 do     |
| Translation from German into English.                | )        |            |
|  |          |            |

# Section 2. Mathematics, Natural Philosophy, &c.

Geometry. Euclid, I. II. III ..... 150 do Algebra. Elementary Rules, Involution, Evolution, Fraction, Sim- ) ple Equations. Plane Trigonometry. 150 do Measurement of Angles, Trigonometrical Ratios of a single Angle and of two Angles, Complemental and Supple-100 do mental Angles, and the Solution of Right-Angled Triangles. Natural Philosophy. Mechanics and Hydrostatics (as in any ordinary School ) ICO do Text-Book). Geometrical and Freehand Drawing ..... 100 do

### Section 3. English.

| The English Language.   |     |    |
|---|-----|----|
| Philology (as in Smith's or Mason's Grammar and Peile's }<br>Primer). | 120 | do |
| Trench's Study of Words.  |     |    |
| English Literature.   |     |    |
| English Literature, Primer by S. A. Brooks.                           |     |    |
| Scott's Lady of the Lake.   | 120 | do |
| Milton's Paradise Lost, Books I and 2.                                |     |    |
| History (As in Primers of Greece and Rome, and Collier's Great        |     |    |
| Events  | 100 | do |
| GeographyPhysical, Political and Commercial                           | 100 | do |
|   |     |    |

### Section 4. Natural Science, &c.

| 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, pp. I |     |    |  |
| to 198   | 100 | do |  |

### GENERAL REGULATIONS.

1. Candidates will not be considered as having passed in any subject unless they have obtained at least *one-third* (and, in the case of Reading and Dictation, *two-thirds*) of the total number of marks obtainable in that subject.

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2. Every Candidate for the Certificate of Associate in Arts, or for Junior Certificate, must pass in all the Preliminary Subjects.

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. Every Candidate for the Certificate of Associate in Arts must also pass in the Optional Subjects contained in one of the three following groups :

First.—(a) Two Subjects of Section I, one of them being Latin or Greek.

(b) Geometry or Algebra of Section 2.

(c) Two of the eight Subjects of Sections 3 and 4.

Second.—(a French and German of Section I.

(b) Geometry or Algebra of Section 2.

(c) Two Subjects of Section 3.

(d) One Subject of Section 4.

Third.—(a) One Subject of Section I.

(b) Two Subjects of Section 2.

(c) Three of the eight Subjects of Sections 3 and 4.

4. Candidates for Junior Certificates must pass in the following : (a) One Subject of Section I.

(b) One Subject of Section 2.

(c) One of the eight Subjects of Sections 3 and 4.

5. The total number of Marks gained by every Candidate, including both Prelimnary 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. The Marks in not more than three subjects of sections I and 2 and three subjects selected from sections 3 and 4 will be counted. Candidates not taking Latin or Greek may take four subjects from Sections 3 and 4.

6. Candidates who obtain at least two-thirds of the marks in any Optional Subject will be entitled to a Certificate of creditable answering in that Subject, provided they satisfy the conditions for either Associate in Arts or Junior Certificate.

7. 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.

8. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

9. The Examinations will begin on Friday, June 1st, at 9 a.m.

10. Lists of the names, ages, and Optional Subjects to be taken by the candidates, together with the fee of \$4, 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 1884.

Latin .- Cicero, Cato Major.

Virgil, Æneid, Bk. V., vss. 1 361. Ovid, Fasti, Bk. I., vss. 1-300. Greek .--Xenophon, Arabasis, Bk. II. Homer, Iliad, Bk. IV.

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# 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.

---- narks.

### 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.

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### 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.

-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 of Earle's Philology. English History, as in Collier.

### 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.

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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 Philcsophy.

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.Shakspeare—Macbeth and Merchant of Venice.Ancient History of the East—Lenormant and Chevalier.History of Greece and Rome (if not taken in the imperative), as in Smith and 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 Litérature 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 Section 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. Unde in the Pr powered Schools, dance wi is affiliate the Corp Normal \$

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# McGill Normal School.

## 1882-83.

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 1882–83.

## 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, and on Agricultural Chemistry. MR. R. J. FOWLER.—Instructor in Music. MR. JOHN ANDREW.— " in Elocution. 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, 1882, and will terminate on the first of July, 1883.

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.

For details as to courses of study and privileges of Students, see separate announcement, which may be obtained on application to Principal Hicks, McGill Normal School, Belmont Street, Montreal.

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