

THE

MANITOBA

UNIVERSITY CALENDAR,

FOR THE YEAR

1881.

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UNIVERSITY OF MANITOBA.

THE CALENDAR.

- First Thursday in March—Statutory meeting of Council 2 p. m.
Last Monday in May—University examinations commence.
First Sunday in June—Statutory meeting of Council, 2 p. m. Election by Council of two members of Board of Studies.
In June...Conferring of degrees.
Last Thursday in August—Meeting of Convocation at 3 p. m. Election of Representatives in the Council.
Before Statutory meeting in September, notice to be sent by Colleges to Registrar, of members elected to the Board of Studies.
First Thursday in September—Statutory meeting of Council, 2 p. m. Election of Vice-Chancellor.
October 1st, or Oct. 2nd, if Oct. 1st be a Sunday—First meeting of Board of Studies, called by Registrar.
First Thursday in December—Statutory meeting of Council, 2 p. m. Election of Registrar.

UNIVERSITY OFFICERS.

- VISITOR—The Lieutenant Governor.
CHANCELLOR—The Most Rev. The Bishop of Rupert's Land.
VICE-CHANCELLOR—The Hon. J. Royal, M. P., D.C.L.
REGISTRAR—{ R. M. Howard, Esq., B.C.L. (To Dec. 1881.)
Bernier, Esq.
BURSAR—D. Macarthur, Esq.

THE COUNCIL.

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|---|--------------------------|
| His Lordship the Bishop of Rupert's Land, Chancellor. | Rev. Canon Grisdale. |
| Hon. Joseph Royal, Vice-Chancellor. | Rev. Canon O'Meara. |
| His Grace the Archbishop of St. Boniface. | E. W. Jarvis, Esq. |
| Hon. Mr. Justice Dubuc. | D. Macarthur, Esq. |
| Rev. Dr. Black. | Rev. O. Fortin. |
| Rev. Dr. Lavoie. | Rev. R. Young. |
| Ven. Archdeacon Cowley, D.D. | Rev. J. Robertson. |
| Hon. John Norquay. | Hon. A. A. C. Lariviere. |
| Rev. W. C. Pinkham. | Rev. S. P. Matheson. |
| Rev. Prof. Cherrier. | Hon. A. G. B. Bannatyne. |
| Rev. Prof. Bryce. | Hon. G. McMicken. |
| Rev. Prof. Hart. | Dr. Cowan. |
| Rev. G. Dugast. | Hon. S. C. Biggs. |
| | J. A. M. Aikins, Esq. |

CONVOCAATION, 1881.

His Lordship the Bishop of Rupert's Land, D.D. Chancellor.	Hon. J. H. O'Donnell, M.D.
Hon. Joseph Royal, D.C.L. Vice-Chancellor.	W. B. Thibaudeau, M.A.
Rice M. Howard, B.C.L. Registrar.	George Roy, B.A.
His Grace the Archbishop of St. Boniface, D.D.	John O'Reilly, B.A.
Hon. Mr. Justice Dubuc, B.C.L.	Robert Bourne, M.A.
Hon. John Norquay.	H. R. O'Reilly.
Ven. Archdeacon Cowley, D.D.	A. G. Jackes, M.D.
Rev. Father Lavoie, S.T.D.	W. J. James, B.A.
Rev. John Black, D.D.	E. Benson, M.D.
Rev. W. C. Pinkham, B.D.	Rev. John F. German, M.A.
Rev. Father Bugast.	Rev. E. Morrow, M.A.
Rev. Father Cherrier.	Rev. T. E. Morden, B.A.
Rev. Prof. Bryce, M.A. L.L.B.	J. M. Macdonnell, B.A.
Rev. Prof. Hart, M.A., B.D.	Rev. H. J. Borthwick, M.A.
Hon. A. A. C. LaRiviere.	Rev. S. Donaldson, B.A.
E. W. Jarvis, B.A.	Hon. John Schultz, M.D.
Rev. Canon Grisdale, B.D.	David Young, M.D.
Rev. Canon O'Meara, M.A.	W. R. Gunn, B.A.
Rev. O. Fortin, B.A.	P. Haverty, B.A.
Rev. R. Young, B.A.	R. D. McLennan, B.A.
Rev. J. Robertson.	W. Kennedy, B.A.
Hon. A. G. B. Bannatyne.	N. Betournay, B.A.
Hon. G. McMicken.	J. B. Polworth, B.A.
Duncan Macarthur.	George Munroe, B.A.
Rev. S. P. Matheson, B.D.	John Fawcet, B.A.
W. Cowan, M.D.	A. W. Ross, B.A.
Hon. S. C. Biggs, B.A.	A. M. Sutherland, B.A.
John, F. Bain, B.A.	J. A. M. Aikins, M.A.
Hon. A. Morris, D.C.L.	H. Archibald, B.A.
Alfred Codd, M.D.	A. C. Killam, B.A.
J. A. N. Provencher, L.C.L.	W. H. Culver, B.A.
C. DeCazes, B.A.	N. Agnew, M.D.
	T. S. Kennedy, M.A.
	W. R. Sutherland, M.D.
	P. A. McDonald, B.A.

THE BOARD OF STUDIES 1881-2.

CHAIRMAN—The Bishop of Rupert's Land.
 SECRETARY—The Rev. Prof. Hart.
 The Rev. Prof. Cherrier.
 The Rev. Dr. Lavoie.
 The Rev. Prof. O'Meara.
 The Rev. J. Robertson.
 The Rev. W. C. Pinkham.
 The Hon. S. C. Biggs.

UNIVERSITY EXAMINERS.

IN CLASSICS.

Rev's Professor Forget Despatis, Canon O'Meara, M.A., and Professor Hart, M.A.,
 B. D.

5
IN MATHEMATICS.

The Chancellor, Rev. Prof. Cloutier, Rev. A. Campbell, B. A.

IN NATURAL SCIENCES.

Rev's Professor Bryce, M.A., L.L.B., Professor Cherrier, and Heber Archibald,
Esq., B. A.

IN MORAL AND MENTAL PHILOSOPHY.

Rev's Dr. Lavoie, J. Robertson, A. E. Cowley.

IN MODERN LANGUAGES.

Rev's O. Fortin, B. A., and Professor Quevillon, and A. C. Killam, Esq., B. A.

IN HISTORY.

Rev's Canon Grisdale, B. D., and Doucet, and W. R. Black, Esq., B. A.

ST. BONIFACE COLLEGE.

THE CORPORATION AND GOVERNING BODY.

The Most Rev. the Archbishop and Metropolitan of St. Boniface, D.D., Superior and President.
 The J. P. Lavoie, D.D.
 The Rev. J. McCarthy.
 The Rev. P. Quevillon.

The Rev. G. Dugast.
 The Rev. A. A. Cherrier.
 The Rev. J. Doucet.

HONORARY MEMBERS.

The Very Reverend Jean Tissot.
 The Rev. J. J. Lestanc.
 The Rev. J. M. Ritchot.
 The Rev. J. B. Proulx.

The Very Rev. A. Lacombe.
 The Rev. J. M. Lefloch.
 The Rev. I. Allard.

PRINCIPAL AND DIRECTOR—The Rev. A. A. Cherrier.
 BURSAR AND STEWARD—The Rev. J. Doucet.
 DEAN—The Rev. P. Quevillon.
 LIBRARIAN—The Rev. G. Cloutier.

LECTURERS.

The Rev. A. A. Cherrier, Professor of Divinity and General Superintendent of Studies.
 The Rev. G. Cloutier, Professor of Mental and Moral Philosophy and Higher Mathematics.
 The Rev. S. Moreau, Professor of Natural Science and French Literature.
 The Rev. P. Quevillon and the Rev. J. Dufresne, Professors of Classics and Modern Languages.
 R. Meloche, Esq., and A. H. Morin, Esq., Professors of English Literature.
 The Hon. Mr. Justice Dubuc, Lecturer on British and Canadian Constitution.

The College has its Faculty of Theology, but cannot take immediate advantage of the University Act respecting Theological degrees pending a special decision of the Ecclesiastical authorities to that effect.

There are two scholarships founded by His Grace the Archbishop of St. Boniface in favor of deserving students.

His Excellency the Governor-General grants yearly a silver medal to the most successful student in Greek.

Application for information should be addressed to the Rev. the Principal, the Rev. A. A. Cherrier.

MEMBERS OF THE COLLEGE BESIDES THE CORPORATION AND LECTURERS.

B. A.

Napoleon Betournay.

Patrick Haverty.

UNDERGRADUATES.

Albert Betournay.
 Xavier Saucier.

Charles Gingras.
 William Gingras.

STUDENTS PREPARING FOR THE PRELIMINARY EXAMINATIONS.

Alphonse Picard.
 Alphonse LaRiviere.
 Edouard Belanger.
 Regis Peloquin.
 Joseph Morache.

Elie Rocan.
 Arthur Morache.
 Isaie Lavoie.
 Henri Royal.
 J. BteLeveque.

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ST. JOHN'S COLLEGE.

THE COUNCIL.

- The Most Rev. The Bishop of Rupert's Land, D.D., Chancellor.
- The Right Rev. The Bishop of Saskatchewan, D.D.
- The Right Rev. The Bishop of Moosonee, D.D.
- The Right Rev. The Bishop of Athabasca, D.D.
- The Venerable Archdeacon Cowley, D.D.
- The Hon. The Chief Justice of Manitoba.
- The Hon. J. Norquay, M.P.P., Treasurer and Premier of Manitoba.
- The Hon. C. Inkster, High Sheriff of Manitoba.
- The Rev. Canon Grisdale, B.D.
- The Rev. Canon O'Meara, M.A.
- The Rev. O. Fortin, B.A.
- The Rev. W. C. Pinkham, B.D., Provincial Supt. Protestant Schools.
- Rev. R. Young, B.A.
- The Rev. S. P. Matheson, B.D.
- A. Logan, Esq., Mayor of Winnipeg.

HONORARY FELLOWS.

- The Right Rev. Bishop Anderson, D.D.
- A. Thom, Esq., L.L.D., formerly Recorder of Rupert's Land.
- R. Caldwell, Esq., M.A., Fellow of Corpus Christi College, Cambridge, formerly Scholar of St. John's College.
- A. K. Isbister, Esq., L.L.D., formerly of St. John's College.
- The Ven. Archdeacon McDonald, formerly Scholar of St. John's College.

- WARDEN AND BURSAR—The Bishop of Rupert's Land.
- SECRETARY—The Rev. Canon Grisdale.
- DEAN—The Rev. Canon O'Meara.
- STEWARD—The Rev. S. P. Matheson.
- SUPERINTENDENT OF OBSERVATORY—

THE FACULTY OF THEOLOGY FOR THEOLOGICAL DEGREES.

THE PROFESSORS OF THEOLOGY.

- Additional Examiner in Homiletics and Pastoral Theology—Archdeacon Cowley.
- “ “ in Eccles. History and Liturgiology—Rev. W. C. Pinkham.
- “ “ in Systematic Theology and Evidences—Rev. R. Young.
- “ “ in Exeget. Theology and Greek—Rev. O. Fortin.
- “ “ in Hebrew and Latin—Rev. S. P. Matheson.

LECTURERS.

- (The Very Rev. The Dean of Rupert's Land—Professor of Pastoral Theology.)
- The Rev. Canon Grisdale—Professor of Systematic Theology.
- The Bishop of Rupert's Land—Professor of Eccles. History and Liturgiology, and Mathematics (temporarily).
- The Rev. Canon O'Meara—Professor of Exegetical Theology.
- E. Hamber, Esq.—Lecturer in Music.
- The Rev. Canon O'Meara—Lecturer in Classics and Moral and Mental Philosophy.
- The Rev. S. P. Matheson—Lecturer in Hebrew.
- The Rev. O. Fortin—Lecturer in French.
- The Rev. Canon Grisdale and } Lecturers in English Literature.
- Rev. H. T. Leslie..... } —Lecturer in Natural Science.

The Scholarships of the College are tenable by students of the College as well as the College School.

Prizes in Books are given to those students of the College who are first in the University Previous and Honor Examinations, provided they are placed in the 1st Class.

Application for information should be addressed to the Rev. The Dean, the Rev. Canon O'Meara, St. John's College.

MEMBERS OF THE COLLEGE BESIDES THE COUNCIL, HONORARY FELLOWS, AND LECTURERS.

B. D.

The Rev. Canon J. Flett.

The Rev. Canon G. McKay.

B. A.

W. Kennedy.

R. McLennan.

UNDERGRADUATES PROCEEDING TO B.D.

Rev. A. Pinkham.
Rev. W. Burman.

R. Machray.
Rev. P. Bruce.

UNDERGRADUATES PROCEEDING TO B.A. OR B.D.

T. Mackay.
D. J. Tait.
J. R. Bird.
J. A. Machray.
T. C. Coggs.
J. W. Matheson.
A. E. Cowley.

A. Flett.
T. Warburton.
A. Goulding.
D. Kirkby.
J. Fortin.
W. Beddome.
C. A. O'Beirne.

STUDENTS IN THEOLOGY.

W. L. Cheney.

P. Badger.

Students are not admitted in St. John's College, except in Theology, till of the standing of the Preliminary Examination.

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BOARD OF MANAGEMENT.

Hon. A. G. B. Bannatyne, Chairman.	
The Rev. Prof. Hart, M.A., B.D.	The Rev. Prof. Bryce, M. A., LL B.
The Rev. J. Black, D.D.	The Rev. J. Robertson.
The Rev. A. Campbell, B.A.	The Rev. J. McGuire.
The Rev. A. Bell.	The Rev. A. Matheson.
The Hon. G. McMicken, M. P. P.	The Hon. D. A. Smith.
John Sutherland.	D. Macarthur, Esq.
A. W. Ross, Esq., M. P. P.	D. H. McMillan, Esq.

SECRETARY—The Rev. Prof. Hart.

TREASURER—D. Macarthur, Esq.

THE SENATE.

The Rev. Prof. Hart, Chairman.	
The Rev. Prof. Bryce.	The Rev. Dr. Black.
The Rev. J. Robertson.	The Rev. A. Campbell.

LECTURERS.

The Rev. G. Bryce, Professor of Science and Literature.
 The Rev. T. Hart, Professor of Classics and French.
 The Rev. R. T. Thomson, M. A., Professor of Mental and Moral Philosophy and Literature.
 R. G. McBeth, Esq., Lecturer in Classics and French.
 R. W. Jameson, Esq., B.A., (Cantab) Lecturer in Higher Mathematics.
 A. M. Campbell, Esq., Lecturer in Mathematics.
 J. Hecker, Esq., Lecturer in Music.

LECTURERS IN THEOLOGICAL COURSE.

THE PROFESSORS.

The Rev. J. Black, D.D.
 The Rev. J. Robertson.
 The Rev. C. B. Pitblado.

The arrangements are not concluded for proceeding to Theological degrees, but the College is used for training such students for the Holy ministry as are placed by the General Assembly under the superintendence of the Presbytery of Manitoba.

An examination will be held in September for students entering the first regular College form for three bursaries of \$15, \$10 and \$7.50.

A bursary of the value of \$20 established by Adam Thom, Esq., will be awarded as the result of the regular terminal examinations. Forty dollars have also been placed at the disposal of the Senate for a deserving student by a friend of the College in Montreal.

Prizes in books are also awarded to successful students at the College examinations.

The Governor-General's medal will be presented to the best student of the College, who passes successfully the December and March examinations of the College, and obtains the highest number of marks at the preliminary examination of the University.

Application for information should be addressed to the Rev. Prof. Hart, Manitoba College.

MEMBERS OF THE COLLEGE BESIDES THE BOARD OF MANAGEMENT AND LECTURERS.

B. A.

W. R. Gunn.
G. Munroe.

J. B. Polworth.

UNDERGRADUATES.

F. Brown.
J. B. Code.
D. Campbell.
J. Newcomb.
W. McK. Omand.
D. H. McVicar.
N. McCallum.

D. Anderson.
A. M. Campbell.
R. G. MeBeth.
J. H. Mulvey.
H. Ogletree.
R. R. Sutherland.
W. Scott.

STUDENTS PREPARING FOR PRELIMINARY, 1882.

Belch, H.
Esplin, C.
Grahame, W. C.
McArthur, I.
Munroe, G.
Steward, H.

Bell, I.
Fraser, I.
Huggard, I. T.
McPhillips, X.
Stevenson, H.

STUDENTS PREPARING FOR PRELIMINARY, 1883.

Ferguson, A.
Fletcher, G.
Lyon, H.
McIvor, G.
Mulvey, S.
Paterson, I.
Rosser, T.
Scott, W. T.
Sinclair, T.

Ferguson, I.
Logan, G.
Lyon, J.
McLeod, A.
Munroe, J. W.
Quigley, H.
Rosser, W.
Scott, T.
Whimster, M.

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FEES.

Matriculation.....	\$1 00
Every Examination.....	2 00
Ad Eundem Statum.....	5 00
B. A. Degree.....	4 00
Ad Eundem Gradum.....	4 00

(1) ORDINANCES—RESPECTING THE PRELIMINARY EXAMINATION.

1. The Preliminary Examination shall begin on the last Monday in May.
2. The selected subjects for this Examination, till further notice, shall be :
 Cæsar, de Bell. Gall., Book IV., c. 20, to end of Book V. except the last 18 chapters of Book V.
 Ovid, Metamorph, Book I., Fab. 1-6 inclusive.
 Xenophon's Anabasis, Book I.
 Milton, Book I., with Telemaque, 1 er Livre. Or,
 Racine's Athalie, and Fradet's Modern History, ch. 1 and 2.
3. The assigned subjects in History shall be :
 Laverdiere's or Withrow's History of Canada.
 History of Rome from the Foundation to the Battle of Actium.
 Drioux's or Collier's History of England.

(2) RESPECTING THE FIRST OR PREVIOUS EXAMINATION.

1. The First or Previous Examination shall begin on the last Monday of May.
2. The selected subjects for this Examination till further notice, shall be :
 Virgil, Æn : Book II.
 Sallust—Catalina.
 Cicero—Pro Archia Poeta.
 Homer—Iliad, Book I.
 Demosthenes—Philippic I.
 Shakspeare—Macbeth, with Bossuet's Oraison Funebre de la Reine
 d'Angleterre, or Racine's Esther, with Milton, Book I.
3. The assigned subjects in History shall be Drioux's History of France, or
 Green's History of England up to the death of Queen Elizabeth, or end of Cap. 7.
4. The Natural Science shall be Botany.

SCHEDULE.

Tissues of Plants :—Cellular, fibrous, vascular.

Organs of Nutrition :—Roots, stem, leaves.

Organs of Reproduction :—Flower, fruit.

Vegetable Physiology :—The processes of absorption, circulation, transpiration, assimilation, respiration, germination.

The Processes of Reproduction.

Classification :—The natural system ; general divisions ; acotyledons ; monocotyledons ; dicotyledons.

Distinctive Characters of the following Orders :—Orchidææ, Liliacææ, Ranunculacææ, Cruciferææ, Leguminosææ, Rosacææ, Compositææ.

5. The works on Botany shall be :

Drioux's La Botanique.
 Gray's How Plants Grow.
 Hooker's Primer.

(3) RESPECTING THE SECOND OR FINAL EXAMINATION.

1. The Second or Final Examination shall begin on the last Monday in May.
2. The selected subjects for this Examination, till further notice, shall be :
 Tacitus, Annals, Book I.
 Horace, Ars Poetica, and Odes, Book I.
 Æschylus, Prometheus Vincetus.
3. The Natural Science shall be Zoology.
4. The Works in Logic, Metaphysics and Ethics shall be :
 { Whately's Elements of Logic.
 { Reid's Essays (Walker).
 { Calderwood's Hand-book of Moral Philosophy.
 { Roger's Political Economy. Or,
 { Tongiorgie—Institutiones Philosophicæ—in Latin.

(4) CLASSICAL HONORS.

The Selected Greek and Latin Authors for Classical Honors under Statute XVII., till further notice, shall be :

First Part.

Cicero—De Senectute.
 Cicero—Pro Milone.
 Livy—Books I. and V.
 St. Augustine—8th Book of Confessions.
 Horace—Ars Poetica and First Book of Odes.
 Ovid—Metamorph. Fab. I.—VI., Book I. Fab. II., Book II.
 Virgil—Books II. and VI. (Æneid).
 Xenophon—The Memorabilia.
 Herodotus—Book I.
 St. Chrysostom—Flavian.
 Homer—Iliad, Book III.
 “ —Odyssey, Book IX.
 Lucian—Dialogues, Charon and the Vita.
 Plato—Book I, Republic.
 Æschylus—Prometheus Vincetus.

Second Part.

Plautus—Aulularia.
 Terence—Andria.
 Virgil—Georgics. Books I. and II.
 Tacitus—Annals. Book I.
 Juvenal—10th Satire.
 Tertullian—Apologia—Sec. 1.—14 incl.
 Pliny—Letters—I to X., Book I.
 Sophocles—Ajax.
 Euripides—Iphigeneia in Aulis.
 Aristophanes—The Birds.
 Theocritus—Book I. Idylls.
 Aristotle { Rhetoric. Book I.
 Aristotle { Ethics. Book I.

Demosthenes—De Corona.
Thucydides—Book I.

First Examination.

Cicero—De Senectute.
Livy—Books I and V.
Virgil—Books II. and VI. (*Æneid*).
Horace—First Book of Odes.
Lucian—Dialogues, Charon and the Vita.
Homer—*Iliad*, Book III.
Xenophon—The Memorabilia, Book 1.
Smith's Smaller History of Rome.
Smith's Smaller History of Greece.
Histoire Ancienne per Chanterel Romaine et Grecque.

(5) NATURAL SCIENCE HONORS.

The Schedule of subjects for Natural Science Honors, till further notice, shall be :

First Part.

A

Inorganic Chemistry.—Non-Metallic and the commoner Metallic Elements ; their combination, combining proportions, general properties, sources, and manufacture.

Chemical Physics.—Constitution of atmosphere ; expansion, density, and specific gravity of bodies ; specific heat ; sources of heat ; radiation, absorption, and transmission of heat ; flame ; thermometer ; barometer ; spectrum analysis ; light ; reflection ; refraction ; polarization ; magnetism ; electricity ; electromagnetism.

Mineralogy.—General outlines of crystallography ; physical properties of minerals ; chemical properties ; classification ; description of principal minerals ; chief Canadian minerals, and localities.

Botany.—Organization of plants in general ; cells and cellular tissue ; woody tissue ; ducts, &c. ; contents of cells ; root ; stem ; leaves ; food and nutrition of plants ; inflorescence ; the flower ; the fruit ; the seed.

Comparative Physiology.—General properties of organized bodies ; functions and organs of animal life ; intelligence and instinct ; motion ; nutrition ; blood and circulation ; respiration ; the secretions ; embryology ; peculiar modes of reproduction ; metamorphoses of animals.

B

Organic Chemistry.—Ultimate analysis ; classification of organic compounds ; Hydrocarbons ; Alcohols and ethers ; Organic acids ; Organic compounds containing Nitrogen ; Albuminous substances ; Animal fluids.

Zoology.—Differences between animal and vegetable kingdoms. Principles of classification. General character and description of the several orders of animals.

Geology.—Classes of rocks ; Volcanic rocks ; Metamorphic rocks ; Arrangements of fossils in strata and petrification of fossils ; Elevation of strata ; Varieties of stratification ; Denudation ; Upheaval and subsidence and their results ; Chronological classification of rocks ; Description and characteristics of the several Geological Ages and Epochs ; More minute description of rocks found in Canada.

Physical Geography.—Atmosphere at different altitudes ; Rainfalls ; Snowline ; Winds ; Atmospheric Electricity ; The Ocean (sea water and currents) ; Land Areas ; Plains and Table Lands ; Volcanoes ; Drainage Areas and Rivers ; Deltas ; Lakes ; Springs ; Islands ; Coral formations ; Zones of Animal and Vegetable life.

Second Part.

Applied Chemistry.—Sulphur, Phosphorus, Chlorine, Potassium, Sodium, Aluminium ; their commoner compounds and uses. Plumbago, Diamond, Charcoal, Gypsum, Chloride of Lime, Lead, Zinc, Gold and gilding, Silver, Copper, Iron, Alloys, Galva-

nizing, Glass Pottery, Purifying of water, Ventilation, Gas, Oils for lights, Volatile oils, Candles, Glue, Soap, Dyeing and Calico printing, Coloring materials, Pigments, Starch, Sugar making, Bones and their application, Fermentation, Alcohols, Wines and Beers, Essences, paper, Caoutchouc, Varnish, Tanning, Photography, Preservation of wood, meat, bread and sugar, gun cotton, nitro-glycerine, cheese, butter.

Systematic Botany.—Principles of classification; System of Linnæus; Natural System; General description of Ferns, Mosses, Equisetæ, Lichens, and Algæ. Thirty chief Phanogamous Orders, having special regard to those found in Canada.

Anatomy of Chief Animal Orders.

Palæontology.—Description of fossil plants; Description of the classes and orders of fossil animals.

Crystallography.—Different forms of crystallization; Calculation of crystal Axes and Angles.

Histology.—Animal and Vegetable.

Meteorology.—Use of Meteorological instruments. Temperature; Estimation of daily and monthly means; Isothermals; Maxima and Minima of temperature; Moisture of the Air; Winds; Precipitation of Vapor of the air; Dew; Hoar Frost; Fog; Clouds; Rain; Snow; Hail; Storms; Cyclones; Tornadoes; Prediction of weather; Atmospheric electricity; Thunder storms; Auroras; Magnetic disturbances; Mirage; Atmospheric light; Rainbow; Coronæ; Halos and Parhelia; Shooting stars; Detonating Meteors; Aerolites

Astronomy.—The Stars, including magnitude, distance, constellations. Nebulæ. The Sun, including dimensions, appearance, motions. The Solar system, including the earth, moon, planets, eclipses, comets, meteors. Apparent movements of Heavenly bodies. Measurement of time. The telescope. Determination of apparent places of Heavenly bodies. Universal gravitation.

The works of the following authors on the subjects specified in the foregoing Schedule are named, until further notice, as suitable for Books of reference :

Roscoe.	Lockyer.
Dana.	Pouillet.
Gray.	Beudant.
Agassiz & Gould.	Lafamme.
Miller.	Boutet de Mouvel.
Fownes.	Kæppelin.
Wagner.	Delaunay.
Lyell.	Faye.
Chapman.	Ganot.
Nicholson.	Milne Edwards.
Wallace.	Pinault.
Rolleston.	Dawson.
Schafer.	Hunt.
Loomis.	Moyen.

MENTAL AND MORAL SCIENCE HONORS.

Till further notice the following Schedule shall define and limit the subjects of the Examination in Mental and Moral Sciences :

I.—LOGIC—

FORMAL—*Conception*—Cognition in general—Intuition and Conception—Formation of Conceptions—Genus, Species and Individual—Extension and Intension—Division, Definition and Denomination—General notions.

Judgment—Nature and Relation of Judgments—Two Predicable

Classes—Various kinds of Judgment—Quantity, Quality, Modality, Distribution of Terms—Intension and Extension of Judgments.

Syllogism—Nature of Syllogism—Opposition—Conversion of Judgment—Privative Syllogism—General Principles of Mediate Inference—The Four Figures and their Rules—Modes of Syllogisms—Disjunction of Syllogisms—The Sorites, the Dilemma.

APPLIED—Criterion of Truth—Induction and Deduction—Degrees of Belief—Defective Syllogisms—Syllogisms of Analogy, Chance, and Classification—Fallacies—Categories—Definition and Division—Division of Sciences—Method.

II.—ONTOLOGY AND COSMOLOGY—

Cause and Effect, Identity and Diversity, Substance, Quantity, Quality, Relation, Body, Power, Time, Space, Infinity, Laws of Nature.

III.—PSYCHOLOGY—

Consciousness, Sensation, Perception, Memory, Imagination, The Will, The Emotions and Affections.

IV.—NATURAL THEOLOGY—

The Existence of God, The Attributes of God, Creation, Preservation and Providence.

V.—HISTORY OF PHILOSOPHY—

ANCIENT.—*Pre-Socratic*—Ionians, Pythagoreans—Eleatics—Atomists—and the Sophists.

Socratic—Socrates and his immediate school, Antisthenes, Aristippus, Euclid.

Post-Socratic—Plato, Aristotle, Epicureanism, Stoicism, Scepticism, Neo-Platonism, Gnosticism, Early Christian Philosophy.

MEDIAEVAL—Scotus Erigena, —Nominalism—Roscelin—Realism—Anselm—Thomas Aquinas—Bonaventura—Albert LeGrand—Duns Scotus.

MODERN—*Various Schools and their Representatives*—*Empiricism*—Bacon, Hobbes, Locke.

Spiritualism—Descartes, Spinoza, Leibniz, Malebranche, Berkeley.

Scepticism—Hume.

Eclecticism—Cousin, Jouffroy.

The Scotch School—Reid, Brown, Mackintosh.

VI.—POLITICAL ECONOMY—

INDUSTRIAL ECONOMY—Wants, Requisites of Production, Invention, Labor, Capital. Association; Exchange—Money, Barter, Price of Commodities, Credit, Rent of Land.

SOCIAL ECONOMY—Progress of National Prosperity, Support and Influence of Government, Protection and Free Trade, Various Modes of Taxation, Progress of Society.

THE BRITISH CONSTITUTION.

VII.—ETHICS.

Definition of an action.
 The end in human actions.
 The moral quality of the act.
 Conscience.
 Duties to God.
 Duties arising out of the Domestic Relations.
 Personal Rights.
 Laws—on what founded.
 Theories of the State.
 Internal organization of the State.
 Duties to the State.
 Foreign relations of the State.

ADDITIONAL SUBJECTS FOR SECOND PART.

- 1—Logic—Language—Consciousness—Sensation—Evidence.
- 2—Psychology—The Nature of the Soul—its union with the Body—its origin—its immortality.
- 3—History of Philosophy—Oriental Philosophy ; Egypt, Persia, India.—Brahminism, Buddhism.—China—Confucius, Lao-Tsee.

Empiricism—Condillac, Helvetius, D'Holbach.

Positivism—Comte, Mill, Bain.

The German School—Kante, Fichte, Schelling, Hegel.

The Scotch School—Hamilton.

The Italian School—Gerdil, Rosimini, Gioberti.

The Traditional School—DeMaistre, DeBonald, Schlegel, DeLamennais.

LIST OF BOOKS RECOMMENDED FOR STUDY.

PART FIRST OF DIVISION A AND B.

Thompson's Outlines of the Laws of Thought.
 Locke's Essay on the Human Understanding.
 Reid's Essays on the Intellectual Powers.
 Hamilton's Lectures on Metaphysics.
 Tulloch's Theism.
 Schwegler's History of Philosophy.
 Smith's Wealth of Nations.
 Cox's British Commonwealth.
 Calderwood's Handbook of Moral Philosophy.
 Stewart's Active and Moral Powers of Man.

PART SECOND OF DIVISION A AND B.

Mill's Logic.
 Kant's Critique of Pure Reason.
 Paley's Natural Theology.
 Morell's History of Modern Philosophy.
 Mill's Political Economy.

Lieber's Ethics, 2 Vols.
McCosh's Fundamental Truth.

Or

PART FIRST OF DIVISION A AND B.

Institutiones Philosophicæ, Tongiorgi.
Philosophia Divi Thomæ.
Prælectiones Philosophicæ, Branchereau.
Logique de Port Royal.
Traite Elementaire d'Economie Politique—Dr. T. Olivier.
Logique de Bossuet.
Connaissance de Dieu de Bossuet.

PART SECOND OF DIVISION A AND B.

La Metaphysique—Para du Phanjas.
Connaissance Intellectuelle—Liberatore.
Reid's Essays on the Intellectual Powers.
Locke's Essay on the Human Understanding.
Recherche de la Verite—Malebranche.
Cours complet de Philosophie—Ratier.
Philosophia Christiana—Sanseverino.
Economie Politique—Say.

CLASS OR HONOR LISTS.

CLASSICAL HONORS.

1881. Examiners. } Rev. Professor Forget Despatis, St. Boniface College,
 } Rev. Canon O'Meara, M.A., St. John's College.
 } Rev. Professor Hart, M.A., Manitoba College.

CLASS I—R. R. McLennan, St. John's College, (silver medal.)
 W. Kennedy, St. John's College, (bronze medal.)

MATHEMATICAL HONORS.

1881. Examiners. } The Bishop of Rupert's Land, St. John's College.
 } Rev. Professor Cloutier, St. Boniface College.
 } Rev. A. Campbell, B.A., Manitoba College.

CLASS III—W. Kennedy, St. John's College.

MORAL AND MENTAL SCIENCE HONORS.

1881. Examiners. } The Rev. Dr. Lavoie, St. Boniface College.
 } Rev. J. Robertson, Manitoba College.
 } Rev. A. E. Cowley, St. John's College.

CLASS I—N. Betournay, St. Boniface College, (Gov.-General's silver medal.)
 CLASS III—P. Haverty, St. Boniface College.

NATURAL SCIENCE HONORS.

1880. Examiners. } Rev. Professor Bryce, M.A., Manitoba College.
 } Rev. A. A. Cherrier, St. Boniface College.
 } H. Archibald, B.A.

CLASS I—W. R. Gunn, Manitoba College, (Governor-General's silver medal.)

1881. Examiners. } Rev. Professor Bryce, M.A., Manitoba College.
 } Rev. Professor Cherrier, St. Boniface College.
 } H. Archibald, B.A.

CLASS I—J. B. Polworth, Manitoba College, (silver medal.)

PREVIOUS EXAMINATIONS—(GOVERNOR-GENERAL'S MEDAL.)

1879—R. Machray, St. John's College.
 1880—A. Hebert, St. Boniface College.
 1881—J. R. Bird, St. John's College.

REPORT OF EXAMINATIONS, 1881.

FINAL B. A. EXAMINATION—CLASSICAL HONORS (PARTS 1 AND 2).

Class I—McLennan, St. John's college ; Kennedy, St. John's college.

McLennan was awarded the University silver medal for classical honors. Kennedy was awarded the University bronze medal for classical honors.

MATHEMATICAL HONORS (PART 1).

Class III—Kennedy, St. John's college.

MORAL AND MENTAL SCIENCE HONORS (PARTS 1 AND 2).

Class I—N. Betournay, St. Boniface college.

Betournay was awarded the Governor-General's silver medal, according to the order determined by the University, instead of the University silver medal for moral and mental science honors.

MORAL AND MENTAL SCIENCE HONORS (PART 1).

Class III—Haverty, St. Boniface college.

NATURAL SCIENCE HONORS (PARTS 1 AND 2.)

Class I—Polworth, Manitoba college.

Polworth was awarded the University silver medal for natural science honors.

NATURAL SCIENCE HONORS.

Fawcett, Non-collegiate.

ORDINARY B. A. DEGREE.

Munro, Manitoba college.

CLASSICAL HONORS (PART 1).

Class I—McKay, St. John's college ; Flett, St. John's college ; McBeath, Manitoba college. Class II—Tait, St. John's college.

MATHEMATICAL HONORS (1st DIVISION OF PART 1.)

Macallum, Manitoba college.

MORAL SCIENCE HONORS, (PART I.)—(FRENCH COURSE)

Class I.—Hebert, St. Boniface college ; A. Betournay, St. Boniface college.

MORAL SCIENCE HONORS. (PART I.)—(ENGLISH COURSE)

Class I.—A. M. Campbell, Manitoba college.

NATURAL SCIENCE HONORS. (1st DIVISION OF PART I.)

McCallum, Manitoba college.

PASS LOGIC.

Class I.—McCallum, Manitoba college; McKay, St. John's college; Munroe, Manitoba college; Kennedy, St. John's college; Sutherland, Manitoba college; Tait, St. John's college. Class II.—McBeth, Manitoba college; McLennan, St. John's college; Polworth, Manitoba college; Flett, St. John's college; Class III.—Omand, Manitoba college.

PASS MORAL PHILOSOPHY.

Class I.—Mackay and Flett, (equal) St. John's college; Polworth, Manitoba college; McCallum, Manitoba college. Class II.—McBeth, Manitoba college; McLennan, St. John's college; Kennedy, St. John's college; Tait, St. John's college; Omand, Manitoba college; Munro, Manitoba college; Sutherland, Manitoba college.

PASS METAPHYSICS AND POLITICAL ECONOMY.

Class I.—Munroe, Manitoba college.

PASS CHEMISTRY.

Class I.—Haverty, St. Boniface college; Class II.—A. M. Campbell, Manitoba college; Mackay, St. John's college; Munroe, Manitoba college; N. Betournay, St. Boniface college; Flett, St. John's college; McBeth, Manitoba college. Class III.—McLennan, St. John's college; Tait, St. John's college; Kennedy, St. John's college.

PASS ZOOLOGY.

Class III.—Munro, Manitoba college; Sutherland, Manitoba college; Omand, Manitoba college.

PASS CLASSICS (GREEK.)

Class I.—Munroe, Manitoba college.

PASS CLASSICS (LATIN.)

Class I.—Omand, Manitoba college; Sutherland, Manitoba college. Class II.—Munro, Manitoba college.

PASS EUCLID (FINAL B. A.)

Class II.—Munro, Manitoba college; Sutherland, Manitoba college. Class III.—Omand, Manitoba college.

PASS ALGEBRA (FINAL B. A.)

Class II.—Munro, Manitoba college.

PASS TRIGONOMETRY (FINAL B. A.)

Class I.—Munro, Manitoba college. Class II.—Haverty, St. Boniface college. Class III.—N. Betournay, St. Boniface college; Hebert, St. Boniface college; A. Betournay, St. Boniface college.

PASS STATICS AND HYDROSTATICS (FINAL B. A.)

Class II.—Munroe, Manitoba college; Haverty, St. Boniface college.—Class III.—A. Betournay, St. Boniface college; Hebert, St. Boniface college; N. Betournay, St. Boniface college.

PREVIOUS EXAMINATION.

Class I.—Bird, St. John's college. Class II.—Anderson, Manitoba college; Ogletree, Manitoba college; Hargrave, Manitoba college; Brown, Manitoba college; Class III.—Newcombe, Manitoba college; Code, Manitoba college; Mulvey, Manitoba college.

CLASSICS.

Class I.—Bird, St. John's college; Brown, Manitoba college; Anderson, Manitoba college. Class II.—Hargrave, Manitoba college; Goulding, St. John's college; Newcombe, Manitoba college; Code, Manitoba college. Class III.—Mulvey, Manitoba college.

MATHEMATICS.

Class I.—Ogletree, Manitoba college. Class II.—Bird, St. John's college; Hargrave, Manitoba college. Class III.—Anderson, Manitoba college; Mulvey, Manitoba college; Code, Manitoba college; Newcombe, Manitoba college; Goulding, St. John's college; Brown, Manitoba college.

MODERN LANGUAGES.

Class II.—Bird, St. John's college; Brown, Manitoba college. Class III.—Hargrave, Manitoba college; Anderson, Manitoba college; Newcombe, Manitoba college; Ogletree, Manitoba college; Code, Manitoba college; Mulvey, Manitoba college; Macallum II class in French.

BOTANY.

Class II.—Hargrave, Manitoba college. Class III.—Newcombe, Manitoba college; Anderson, Manitoba college; Code, Manitoba college; Ogletree, Manitoba college; Bird, St. John's college; Brown, Manitoba college; Mulvey, Manitoba college.

HISTORY.

Class II.—Bird, St. John's college; Code, Manitoba college. Class III.—Ogletree, Manitoba college; Anderson, Manitoba college; Hargrave, Manitoba college; Brown, Manitoba college; Mulvey, Manitoba college.

Bird, being first in the combined subjects, classics, mathematics, and botany, and also first class in all the subjects, had awarded to him the Governor-General's bronze medal.

Goulding passed the examination required by the University for candidates for the B.D. degree.

PRELIMINARY EXAMINATION.

Class I.—Campbell, Manitoba college; C. Gingras, St. Boniface college. Class II.—Fisher, St. Boniface college; Saucier, St. Boniface college; W. Gingras, St. Boniface college; McVicar, Manitoba college; Scott, Manitoba college.

CLASSICS.

Class I.—C. Gingras, St. Boniface college; Saucier, St. Boniface college; Fisher, St. Boniface college; D. Campbell, Manitoba college; W. Gingras, St. Boniface college; McVicar, Manitoba college; Scott, Manitoba college.

MATHEMATICS.

Class I.—D. Campbell, Manitoba college. Class II.—C. Gingras, St. Boniface college; Scott, Manitoba college. Class III.—McVicar, Manitoba college; Fisher, St. Boniface college; Saucier, St. Boniface college; W. Gingras, St. Boniface college.

MODERN LANGUAGES.

Class I—C. Gingras, St. Boniface college; Fisher, St. Boniface college; Saucier, St. Boniface college; D. Campbell, Manitoba college; W. Gingras, St. Boniface college. Class II—McVicar, Manitoba college. Class III—Scott, Manitoba college.

HISTORY.

Class I—Fisher, St. Boniface college; W. Gingras, St. Boniface college; Saucier, St. Boniface college. Class III—C. Gingras, St. Boniface college; D. Campbell, Manitoba college; McVicar, Manitoba college.