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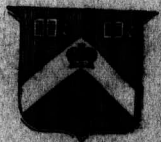
CALENDAR

OF

University College, Toronto,

FOR

M.DCCCLVII.—M.DCCCLVIII.

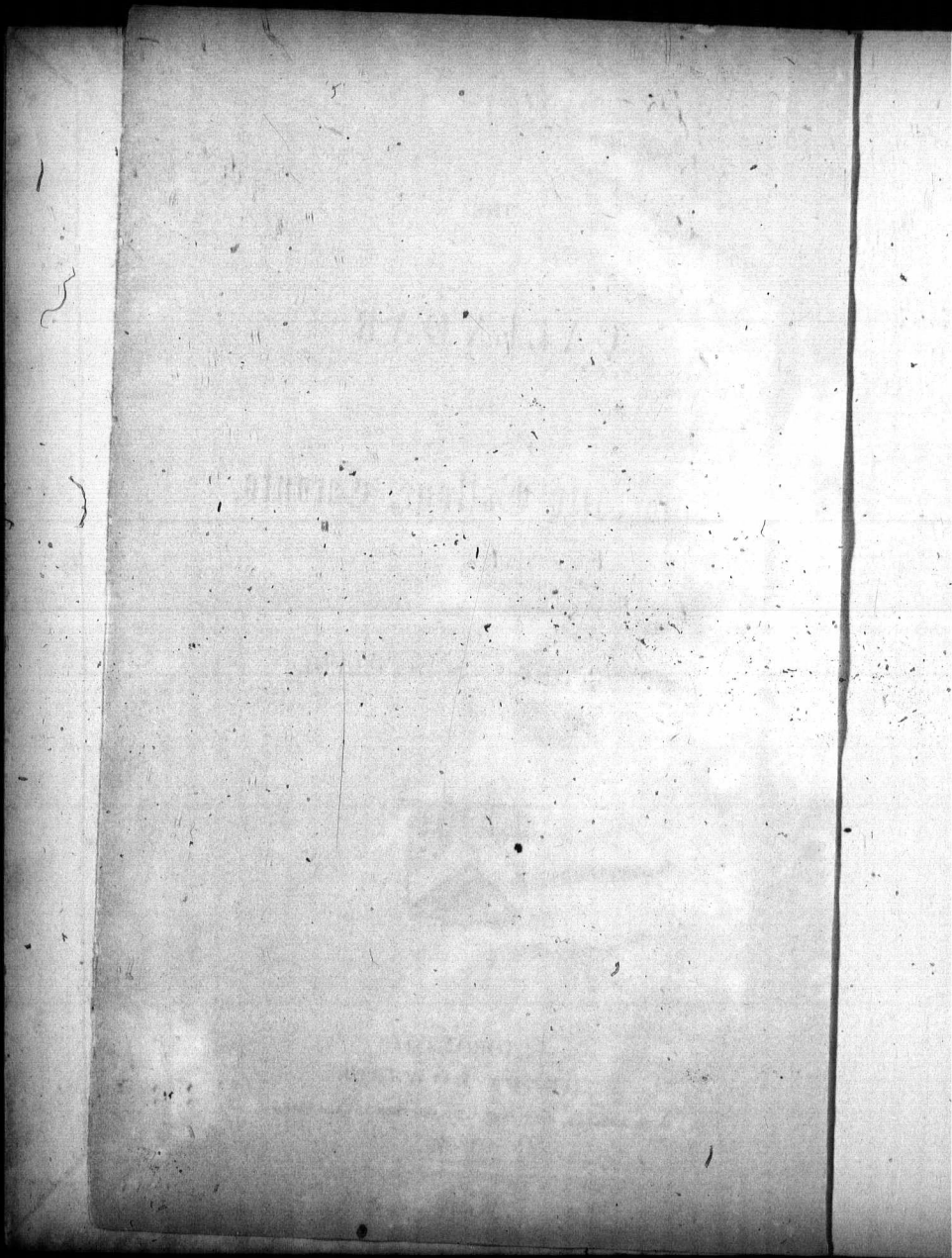


TOBONTO:

HENRY ROWSELL,

BOOKSELLER, STATIONER, AND PRINTER TO THE COLLEGE.

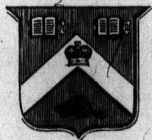
1857.



THE  
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University College, Toronto,

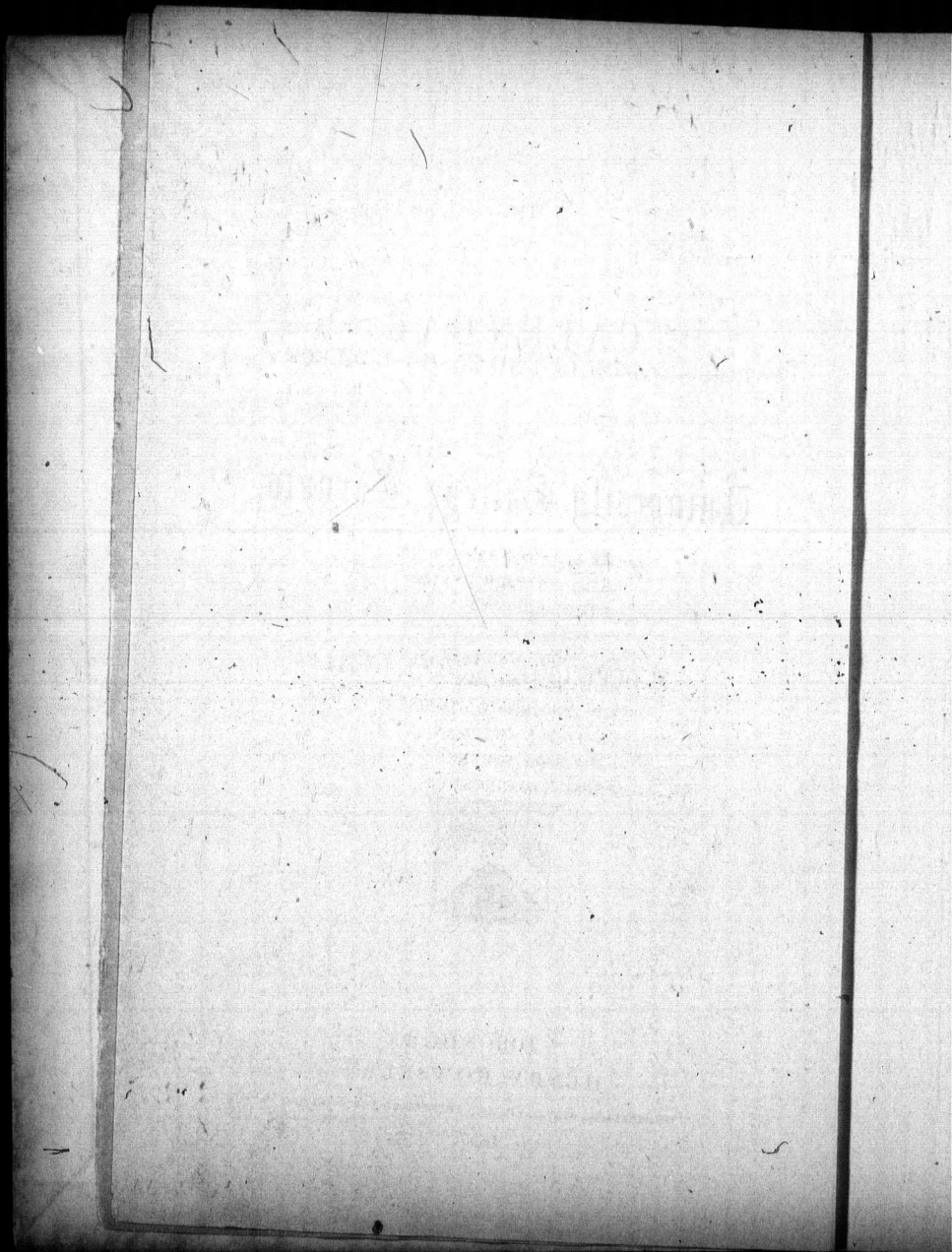
FOR

M.DCCC.LVII.—M.DCCC.LVIII.



TORONTO:  
HENRY ROWSELL,  
BOOKSELLER, STATIONER, AND PRINTER TO THE COLLEGE.

1857.



CORPORATION OF UNIVERSITY COLLEGE,

1857.

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THE REV. THE PRESIDENT,  
REV. PROFESSOR BEAVEN,  
PROFESSOR CROFT,  
PROFESSOR BUCKLAND,  
PROFESSOR CHERRIMAN,  
PROFESSOR WILSON,  
REV. PROFESSOR HINCKS,  
PROFESSOR CHAPMAN,  
PROFESSOR FORNERI,  
PROFESSOR KINGSTON.

# ALMANAC FOR THE

## SEPTEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

24. University Examinations begin, of Students and Matriculants in Law and Medicine, and of Matriculants in Arts, Civil Engineering, and Agriculture.

## OCTOBER.

S.	M.	T.	W.	Th.	F.	Sa.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

1. MICHAELMAS TERM begins. Meeting of Council.  
 5. Lectures begin.  
 30. COLLEGE CONVOCATION. No Lectures. Library and Museum closed.

## NOVEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

3. Meeting of Council.

## DECEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

1. Meeting of Council.  
 2. Lectures end.  
 7. College Terminal Examinations begin.  
 17. Session of Senate begins.  
 19. Meeting of Council.  
 20. MICHAELMAS TERM ends.  
 25. Library and Museum closed.

## JANUARY.

S.	M.	T.	W.	Th.	F.	Sa.
					1	2
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1. Library and Museum closed.  
 7. EASTER TERM begins.  
 8. Lectures begin.  
 12. Meeting of Council.

## FEBRUARY.

S.	M.	T.	W.	Th.	F.	Sa.
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

2. Meeting of Council.  
 2. University Examinations of Students and Matriculants in Law begin.  
 17. No Lectures.

## ACADEMIC YEAR 1857—58.

MARCH.							APRIL.							
S.	M.	T.	W.	Th.	F.	Sa.	S.	M.	T.	W.	Th.	F.	Sa.	
	1	2	3	4	5	6					1	2	3	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	
14	15	16	17	18	19	20	11	12	13	14	15	16	17	
21	22	23	24	25	26	27	18	19	20	21	22	23	24	
28	29	30	31				25	26	27	28	29	30		
2. Meeting of Council. 31 to April 6. No Lectures.							7. University Examination of Students in Medicine begins. 13. Meeting of Council. 23. Lectures end. 30. College Terminal Examinations begin.							
MAY.							JUNE.							
S.	M.	T.	W.	Th.	F.	Sa.	S.	M.	T.	W.	Th.	F.	Sa.	
						1				1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	
23	24	25	26	27	28	29	27	28	29	30				
30	31													
13. Session of Senate begins. 15. Meeting of Council. 18. EASTER TERM ends. 25. University Examinations of Students in Arts, Civil Engineering, and Agriculture begin.							15. UNIVERSITY COMMENCEMENT. Library and Museum closed.							
JULY.							AUGUST.							
S.	M.	T.	W.	Th.	F.	Sa.	S.	M.	T.	W.	Th.	F.	Sa.	
				1	2	3	1	2	3	4	5	6	7	
4	5	6	7	8	9	10	8	9	10	11	12	13	14	
11	12	13	14	15	16	17	15	16	17	18	19	20	21	
18	19	20	21	22	23	24	22	23	24	25	26	27	28	
25	26	27	28	29	30	31	29	30	31					
							2 to 31. Library closed.							

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# UNIVERSITY COLLEGE,

TORONTO.

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In the year 1827, a Charter was granted by His Majesty George IV., for the establishment of a University at York (now Toronto), under the designation of "King's College," and in the following year, the Institution was endowed by patent with a portion of the lands, which had previously been set apart by His Majesty George III., for educational purposes.

In 1837, the Royal Charter was amended by a Statute passed by the Legislature of Upper Canada, with the object of removing certain restrictions, which were regarded as unsatisfactory; but in consequence of various impediments, the Institution was not opened for the admission of Students until June 8th, 1843. From that date to December 31st, 1849, it was conducted under the Royal Charter, as amended by the Provincial Statute.

Another Provincial Statute, whereby important modifications were effected, and the designation was changed from "King's College" to that of the "University of

"Toronto," came into operation on Jan. 1st, 1850. Under this Statute the establishment was conducted until April, 1853, when the University was divided into two Institutions, one retaining the title of the "University of Toronto," and the other styled "University College, Toronto." The first of these Institutions is formed on the model of the University of London, its functions being limited to prescribing subjects of examination for Degrees, Scholarships, Prizes, or Certificates of Honors, examining candidates therein, and conferring such degrees or distinctions.

University College has adopted the courses prescribed by the University of Toronto, and in it Lectures are given on the subjects, appointed for Candidates for the Degree of B.A., or for the Diplomas in Civil Engineering and Agriculture.

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## SECTION I.—STUDENTS.

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1. There are three classes of Students admissible to the College.

**UNDERGRADUATES:** Those who have passed the Matriculation examination in any University in Her Majesty's dominions, or in the College.

**STUDENTS:** Those who desire to attend, during an Academic year or Term, two or more Courses of Lectures.

**OCCASIONAL STUDENTS:** Those who desire to attend but one course of Lectures.

2. Candidates for Matriculation in the College are required to produce satisfactory certificates of good conduct, and of having completed the 14th year of their age, and must pass an Examination in the following subjects :—

GREEK AND LATIN LANGUAGES.

Xenophon, Anabasis, B. I. Sallust, Catilina.  
Translation from English into Latin prose.

ARITHMETIC AND ALGEBRA.

Ordinary Rules of Arithmetic.  
Vulgar and Decimal Fractions.  
Extraction of Square Root.  
First four Rules of Algebra. (Colenso's Algebra.)

GEOMETRY.

Euclid, B. I. (Colenso's edition of Simpson's).

ENGLISH.

Grammar.

HISTORY AND GEOGRAPHY.

Outlines of English History to present time. (Chambers's History of British Empire.)

“ Roman History to the death of Nero.

“ Grecian History to the death of Alexander.

“ Ancient and Modern Geography. (Putz & Arnold's Manuals of Ancient and Modern Geography.)

3. Undergraduates are required to attend the Lectures and Examinations in all the departments, appointed by the University of Toronto as necessary for Students of their respective standings. Certificates of attendance during one or more Academic years, will be given to those Undergraduates, who have been regular in their attendance on the required Lectures, and who have passed the required Examinations.

4. Undergraduates are required to reside, during the period of their attendance on Lectures, in licensed board-

ing houses, or in such other houses as have been selected by their parents or guardians, or approved by the President (a).

5. Students or Occasional Students are admitted on application to the Professors in the respective departments, in which they desire to attend Lectures, and are not required to produce any certificates or to pass any examination.

6. Certificates of attendance on Lectures in any department during an Academic year, may be given to those Students or Occasional Students who have been regular in their attendance, and who have also passed the examination in such department.

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## SECTION II.—TERMS.

The Academic year consists of two Terms: the first (*Michaelmas*), extending from October 1st to December 20th; and the second (*Easter*), from January 7th to May 18th.

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## SECTION III.—COURSE OF STUDY IN ARTS.

### FIRST YEAR.

Greek and Latin; English; French; Hebrew; History; Natural Theology and Evidences of Christianity; Mathematics; Elementary Chemistry; Elementary Natural History.

Undergraduates are not required to take Hebrew.

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(a) In the new buildings, at present in progress, residence will be provided.

## SECOND YEAR.

Greek and Latin; English; French and German; Hebrew; History; Logic; Ethics and Metaphysics; Mathematics and Natural Philosophy; Chemistry and Chemical Physics; Elementary Mineralogy, Geology, and Physical Geography.

Undergraduates are not required to take "*French*," "*German*," and "*Hebrew*," but any one at their option.

Candidates for Honors in any department, who have also obtained University Honors in the first year, are not required to take any branch in which they have passed the University examination in the first year.

## THIRD YEAR.

Greek and Latin; French, German, and Italian; Hebrew and Chaldee; History and Ethnology; Ethics and Metaphysics; Mathematics and Natural Philosophy; Applied Chemistry; Natural History.

Undergraduates are not required to take both "*Greek and Latin*," and "*French and German*," but either at their option. They may also omit "*Hebrew*," "*Chaldee*," and "*Italian*."

Candidates for Honors in any department, who have obtained University Honors in the second year, are not required to take in other departments more than two branches, in which they have previously been examined; and these branches may be selected by such Candidates at their option.

## FOURTH YEAR.

Greek and Latin; English; French, German, Italian, and Spanish; Hebrew, Chaldee, Syriac, and Arabic; Ethics, Metaphysics, and Logic; Mathematics and Natural Philosophy; Organic and Qualitative Analytical Chemistry; Mineralogy, Geology, and Physical Geography; Meteorology.

Undergraduates may take at their option either "*Greek and Latin*" or "*French and German*," and, also, either "*Mathematics and Natural Philosophy*," or "*Organic Chemistry*," or "*Mineralogy, Geology, and Physical Geography*," or "*Meteorology*." They may, also, omit "*Italian*," "*Spanish*," "*Hebrew*," "*Chaldee*," "*Syriac*," and "*Arabic*."

Candidates for Honors in any department, who have also obtained University Honors in the third year, are not required to take any other department than that in which they are Candidates for Honors.

Such Candidates for Honors in "*Modern Languages*" are not required to take, in

addition to "English," "French," "German," "Italian," and "Spanish," but any three of them at their option.

Such Candidates for Honors in "Natural Sciences" are not required to take "Chemistry," "Natural History," and "Mineralogy, Geology, and Physical Geography," but any two of them at their option.

*Regulations of the University of Toronto relative to Degree of B.A.*

"Candidates on entering must produce satisfactory certificates of age and of good conduct.

The regular mode of proceeding to the Degree of B.A., is by passing the five annual examinations prescribed, but Students may enter at any of the annual examinations on the conditions hereinafter named :—

Students who have already matriculated in the Faculties of Law or Medicine are not required to pass the Matriculation examination in Arts.

Candidates entering at the Matriculation, or the examination for the first year, must have completed the 14th year of their age.

Candidates entering at the examination for the second year must have completed the 16th year of their age; and in addition to the subjects appointed for that year, must pass the examination in Mathematics required in the first year.

Candidates entering at the examination for the third year, must have completed the 20th year of their age; and in addition to the subjects appointed for that year, must pass the examination in Mathematics required in the first year, and may not exercise the option between the departments of "Greek and Latin," and "Modern Languages."

Candidates entering at the final examination for B.A., must have completed the 25th year of their age; and in addition to the subjects appointed for that year, must pass the examination in Mathematics required in the first year, the examination in Logic, Ethics, and Metaphysics required in the second year, and the examination in History required in the third year; and they may not exercise any of the options allowed at the final examination. If Candidates for Honors, they will be arranged in the Class Lists according to their proficiency; but they cannot compete for Scholarships.

The preceding restrictions as to age do not apply to students of other Universities, producing satisfactory certificates from the authorities thereof.

Students in any of the Colleges affiliated to the University of Toronto are not required to pass any other examination in the University than that appointed for the second year, and the final examination for B.A.; but they must produce certificates from the Head of such affiliated College, that they have in other years passed satisfactory examinations in all the subjects prescribed for those years by the University.

Candidates for the Degree of B.A., who are not Students in any affiliated College, must, in each of the years succeeding that in which they matriculated, pass an examination in the subjects appointed for such year."

## SECTION IV. — COURSE OF STUDY IN CIVIL ENGINEERING (a).

### FIRST YEAR.

Mathematics and †Natural Philosophy; †English; †French; †History; †Chemistry and Chemical Physics; †Elementary Mineralogy, Geology, and Physical Geography.

Students of the 1st year attend Lectures on the subjects marked †, with Students in Arts of the 2nd year, and on the subjects marked ‡, with Students in Arts of the 1st year.

### SECOND YEAR.

Mathematics and †Natural Philosophy; †English; †French; †History; †Applied Chemistry; \*Mineralogy, Geology, and Physical Geography.

Students of the 2nd year attend Lectures on the subject marked\*, with Students in Arts of the 4th year, on the subjects marked †, with Students in Arts of the 3rd year, and on the subjects marked ‡, with Students in Arts of the 2nd year.

The following additional subjects are required for the diploma, given by the University: in 1st year, Geodesy and Drawing, and in 2nd year, Civil Engineering, including principles of Architecture and Engineering Finance, Practical use of Instruments, and Drawing.

### (a) SUBJECTS APPOINTED BY THE UNIVERSITY OF TORONTO FOR CANDI- DATES FOR MATRICULATION IN CIVIL ENGINEERING.

#### MATHEMATICS.

Arithmetic.  
Algebra. (Colenso's.)  
Euclid, Bb. I., II., III., IV.; definitions of Bb. V. & VI. (Colenso's edition of Simpson's.)  
Nature and use of Logarithms. (Colenso's.)  
Plane Trigonometry as far as Plane Triangles. (Colenso's.)

#### ENGLISH.

Grammar and Composition.

#### FRENCH.

Grammar.  
Voltaire, Histoire de Charles XII.

#### HISTORY AND GEOGRAPHY.

Outlines of English History to the present time. (Chambers's History of the British Empire.)  
Outlines of Modern Geography.  
Geography of the British Empire, including her Colonies.

#### DRAWING.

## SECTION V.—COURSE OF STUDY IN AGRICULTURE (a).

### FIRST YEAR.

†English; †Elementary Chemistry; †Elementary Natural History; †Elementary Mineralogy, Geology, and Physical Geography; History and Principles of Agriculture.

Students of the 1st year attend Lectures, on the subject marked †, with Students in Arts of the 2nd year, and on the subjects marked †, with Students in Arts of the 1st year.

### SECOND YEAR.

†Applied Chemistry; †Natural History; †Mineralogy, Geology, and Physical Geography; History and Diseases of Farm Animals; Practice of Agriculture.

Students of the 2nd year attend Lectures on the subject marked † with Students in Arts of the 4th year, and on the subjects marked † with Students in Arts of the 3rd year.

See subjects of Lectures on Agriculture, Chemistry, Natural History, and Mineralogy and Geology.

### (a) SUBJECTS APPOINTED BY THE UNIVERSITY OF TORONTO FOR CANDIDATES FOR MATRICULATION IN AGRICULTURE.

#### ENGLISH.

English Grammar and Composition.

#### MATHEMATICS.

Arithmetic, including Mensuration.  
Euclid, B. I.

#### HISTORY AND GEOGRAPHY.

Outlines of English History to the present time. (Chambers's History of the British Empire.)

Outlines of Modern Geography.  
Geography of the British Empire, including her Colonies.

#### AGRICULTURE.

Principles of Practical Agriculture. (Stephens's Catechism.)



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 SEC. VI.—DEPARTMENTS OF INSTRUCTION.
 

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## § 1.

## RELIGIOUS KNOWLEDGE.

Lecture Rooms are provided, and suitable hours will be set apart for the religious instruction of Undergraduates by Ministers of their respective denominations.

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## § 2.

## CLASSICAL LITERATURE, LOGIC, AND RHETORIC.

*Professor*—REV. JOHN McCaul, LL.D.

*Classical Tutor*—REV. ARTHUR WICKSON, M.A.

## GREEK AND LATIN.

Subjects of Lectures :

## FIRST YEAR.

Homer, *Iliad*, VI. & XVIII.

Virgil, *Aeneid*, VI. & VIII.

——— \**Odyssey*, X.

——— \**Georgics*, IV.

Lucian, *Charon & Vita*.

Ovid, *Fasti*, I.

Translation into Latin \**Verse* and *Prose*.

## SECOND YEAR.

Homer, \**Iliad*, XXI.

Horace, *Odes* and \**Epodes*.

——— *Odyssey* XI. & \*XII.

Cicero, *Orat. in Catilinam*, \**pro*

Demosthenes, *Olynthiacs* and

Milone, \**pro Archia*, and \**pro*

\**Philippics*.

Ligario.

Translation into Latin \**Verse* and \**Greek and Latin Prose*.

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\* Only for Candidates for Honors.

## THIRD YEAR.

Sophocles, <i>Œdipus Rex</i> .	Horace, <i>Satires and Epistles</i> .
_____ *Coloneus.	*Terence, <i>Phormio</i> .
*Euripides, <i>Hecuba</i> .	Livy, V. & *XXI.
*Æschylus, <i>Prometheus</i> .	*Tacitus, <i>Annals</i> , I.
*Plato, <i>Apology</i> .	*Cicero, <i>pro leg. Manil. and Phil. II</i> .
Herodotus, II.	

Translation into \*Greek and Latin \*Verse and Prose.

## FOURTH YEAR.

Euripides, <i>Medea</i> .	Juvenal, <i>Sat. III. VII. VIII. &amp; X.</i>
*Æschylus, <i>Agamemnon</i> .	*Persius, <i>Sat. I. II. III. V. &amp; VI.</i>
*Aristophanes, <i>Nubes</i> .	*Terence, <i>Adelphi</i> .
*Pindar, <i>Olympic Odes</i> .	*Plautus, <i>Aulularia</i> .
Thucydides, VII.	*Lucretius, V. & VI.
*Æschines, <i>adv. Ctesiphontem</i> .	*Livy, XXI. to XXV.
*Demosthenes, <i>de Corona</i> .	Tacitus, <i>Germania and Agricola</i> .
*Aristotle, <i>Poetics</i> .	_____ *Histories.
*Longinus, <i>de Sublimitate</i> .	*Pliny, <i>Epist. VI</i> .

Translation into \*Greek and Latin \*Verse and Prose.

Lectures are also given by the Professor in Logic and Rhetoric. The text books in the former are Walker's edition of Murray's Logic, and Whately's Logic.

The Classical Tutor receives a class of Candidates for Matriculation, to whom he gives instruction in the following subjects :

Xenophon, <i>Anabasis</i> , I.	Sallust, <i>Catilina</i> .
Homer, <i>Iliad</i> , I.	Virgil, <i>Æneid</i> , II.
_____ <i>Odyssey</i> , IX.	Horace, <i>Odes</i> , I.

Translation into Latin Prose and Verse.

BOOKS RECOMMENDED FOR ORDINARY USE, OR FOR OCCASIONAL REFERENCE IN THE LIBRARY.

*Grammar*: Arnold's Greek, Zumpt's Latin, (Jelf's Greek, Madvig's Latin.)

\* Only for Candidates for Honors.

*Prosody*: Anthon's Greek, Carey's Latin.

(Hermann's *Elementa doctrinae Metricæ*; Munk on Greek and Roman Metres; Tate's Greek Tragic and Comic Metres; McCaul's Greek Tragic, Terentian, and Horatian Metres.)

*Dictionaries*: Liddell & Scott's Greek, Riddle's Latin; Phraseological English-Greek (Arnold's Course); Anthon's English-Latin; Brasse's Greek Gradus.

(Scapulæ Lexicon, Stephens's Thesaurus, Scheller's Lexicon by Riddle, Facciolati's Lexicon by Bailey, Maltby's Lexicon Græco-Prosodiacum.)

*Civil History*: Smith's Grecian, Liddell's Roman, Smith's Students' Gibbon.

(Mitford's, Thirwall's, and Grote's Grecian; Niebuhr's, Arnold's, Merivale's, and Gibbon's (*Variorum*) Roman.)

*Literary History*: Browne's Greek and Roman Classical Literature.

(Mure's, Müllers, and Anthon's Greek, Dunlop's Roman; Donaldson's Theatre of the Greeks; Coleridge's Introduction to Greek Classic Poets.)

*Biography and Mythology*: Smith's Dictionary.

*Archæology*: Smith's Dictionary of Greek and Roman Antiquities.

(Wachsmuth's and Hermann's Political Antiquities of Greece; Müller's Dorians; Boeckh's Public Economy of Athens; Bekker's Charicles and Gallus; Eckhel's, Rasche's, and Akerman's Numismatical Works; Boeckh's, Rose's, and Baillie's Greek Inscriptions, Gruter's, Orelli's, and Mommsen's Latin.)

*Geography*: Smith's Dictionary.

(Cramer's Greece, Italy, and Asia Minor.)

*Chronology*: Oxford Chronological Tables.

(Clinton's *Fasti Hellenici, and Romani*.)

In the Lectures, references will be given to other authors, who may be consulted on special subjects; such as on Homer, Thiersch's Grammar, Buttman's Lexilogus, &c.

## § 3.

## METAPHYSICS AND ETHICS.

*Professor*—REV. JAMES BEAVEN, D.D.

## Subjects of Lectures :

## FIRST YEAR.

Natural Theology and Evidences of Christianity, (Paley's);

## SECOND YEAR.

Wayland's Moral Philosophy; Locke, II. III. &amp; IV.

\*Tenneman's History of Philosophy, (Morell's Ed.).

## THIRD YEAR.

\*Reid's Intellectual Powers; Stewart's Moral and Active Powers;  
 \*Descartes' Method, Meditations and Principles; \*Locke, I., with  
 Cousin's Critique on Locke; \*Stewart's Dissertation on the History of  
 Intellectual Philosophy; \*Mackintosh's Dissertation on the Progress  
 of Ethical Science.

## FOURTH YEAR.

\*Reid's Intellectual Powers (with Sir W. Hamilton's Notes);  
 \*Jouffroy's Introduction to Ethics; \*Kant's Critique of Pure Reason;  
 \*Morell's History of Philosophy.

The Candidates for Honors will be expected to read, besides portions of the works stated above, such of the Philosophical works of Cicero, Aristotle, or Plato, as may, from time to time, be pointed out or lectured on by the Professor.

## § 4.

## HISTORY AND ENGLISH LITERATURE.

*Professor*—DANIEL WILSON, LL.D.

Subjects of Lectures :

## HISTORY.

## FIRST YEAR.

*Ancient History*: embracing outlines of Egyptian, Phœnician, Assyrian, Greek, Roman, and early European History (Heeren's Manual), and a more detailed account of British History from the era of the Roman invasion to the reign of Henry VIII.

## SECOND YEAR.

*Medieval History*: embracing European History, from the transference of the Seat of Empire to the East, to the fall of Constantinople in 1453 (Kœpen's Middle Ages; Hallam's History of Middle Ages.)

*British History*: from the reign of Henry VIII. to the Revolution.

## THIRD YEAR.

*Modern History*: from the discovery of America (Taylor's Student's Manual), with a more detailed sketch of the History of Britain and her Colonies, from the era of the Revolution.

*Special Lectures* are given, with a view to Candidates for University Honors, on the General European History of each period; and, in the third year, there is an additional course on *Ancient and Modern Ethnology*, with a view to the sources of National character and institutions. (Latham's Ethnology of Europe. *Books for consultation*—Pritchard's Researches; Newman's Regal Rome; Latham's Ethnology of British Isles; Niebuhr's Ethnography.)

\* \* \* The Lectures are illustrated by Maps, Drawings, &c.

## ENGLISH LANGUAGE AND LITERATURE.

## FIRST YEAR.

*Language:* \*Origin and History of the English Language; (Craik's Outlines of History of the English Language; Latham's English Language); its Orthographical and Etymological Forms; its compound structure and intrusive Philological and Grammatical Elements.

*Literature:* History of English Literature to the reign of Queen Elizabeth. (Spalding's Hist.)

## SECOND YEAR.

*Language:* \*Etymology and Synonyms. (*Books of reference*—Whately's Etymology; Trench's English Language and Study of Words.) Syntactical and Rhetorical Analysis of forms of English Composition. (Wilson's Elements and Forms.)

*Literature:* History of English Literature temp. Queen Elizabeth to Queen Anne. (Spalding's Hist.)

\*Critical Reading of one of Shakespear's Dramas.

## FOURTH YEAR.

*Language:* History of the Formation of the English Language, and Analysis of its Philological Elements; (Latham's English Language.) Principles of Composition and Prosody based on Critical Readings of English Classics.

*Literature:* History of English Literature from Queen Anne to the present time, (Spalding's Hist.; Craik's Hist.)

\*Critical Analysis of two of Shakespear's Historical Dramas.

Portions of the following authors are read critically during the course :

- (a) Piers Ploughman, Chaucer, Dunbar, Gawain Douglas, Surrey, Spencer, Shakespear, Milton, Pope, Cowper, and Wordsworth.
- (b) Sir Thomas More, Bacon, Fuller, Sir Thomas Brown, Jeremy Taylor, Addison, Johnson, Foster, and Carlyle.
- (c) Gibbon, Clarendon, Hume, Alison, Macaulay, Kemble, and Latham.

## § 5.

## MODERN LANGUAGES.

*Professor*—JAMES FORNERI, LL.D.

## Subjects of Lectures :

## FIRST YEAR.

## FRENCH.

Grammar; LaFontaine's Fables, I. II. III.; \*Montesquieu Grandeur et Décadence des Romains; \*Voltaire, *Alzire*; \*Translation into French.

## SECOND YEAR.

## FRENCH.

La Bruyère, *Caractères* (de l'homme, des jugements, de la mode, de quelques usages); \*Racine, *Iphigénie*; \*Molière, *le Misanthrope*. Translation into French; History of French Literature to the 17th Century. (Sismondi's Literature of the South of Europe.)

## GERMAN.

Grammar; Adler's Reader, 1, 2, 3; \*Schiller, *Wilhelm Tell*; \*Translation into German; History of German Literature, (Gostick: Periods, 1, 2, 3, 4.)

## THIRD YEAR.

## FRENCH.

Racine, *Athalie*; Bossuet, *Oraisons Funèbres* (de la Reine d'Angleterre, et du Prince de Condé); \*Rotrou, *Venceslas*; \*Boileau, *l'art Poétique*; Composition in French; History of French Literature in the 17th Century. (Chouquet's.)

## GERMAN.

Lessing, *Minna von Barnhelm*; \*Wieland, *Geschichte der Abderiten*, I.; \*Goethe, *Iphigenie auf Tauris*; Translation into German and \*Composition; History of German Literature, (Gostick: Periods, 5 & 6.)

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\* Only for Candidates for Honors.

## \* ITALIAN.

Grammar; Goldoni, *Il Burbero Benefico*.

## FOURTH YEAR.

## FRENCH.

Cornelle, *le Cid*; Fenelon, *les Dialogues des Morts*, I. to XL.; \*Moliere, *le Medecin malgré lui*; \*Racine, *Esther*; \*Poetry of the Troubadours and Trouvères compared, and rendered into French Prose; History of French Literature, from the 18th Century to the present time (Chouquet's); Composition and \*Conversation in French.

## \*GERMAN.

Goethe, *Hermann und Dorothea*, Canto II.; Schiller, *Geschichte des Abfalls der Niederländer*, Bb. I. & II.; \*Schiller, *Maria Stuart*; \*Körner, *Vermischte Gedichte*; Composition in German; History of German Literature. (Gostick, Period 7.)

## \*ITALIAN.

Tasso, *Gerusalemme Liberata*, Canto XII.; Dante, *Inferno*, Canto II. III. IV. & V.; Translation into Italian; History of Italian Literature, (Sismondi's Literature of South of Europe.)

## \*SPANISH.

Grammar; Quintana, *Vida del Cid*; Moratin, *El si de las niñas*; Translation into Spanish; History of Spanish Literature (Sismondi's Literature of South of Europe.)

\* Comparison of Etymological and Grammatical forms in Latin, Provençal, French, Italian, and Spanish. (Sir J. Cornwall Lewis's origin and formation of the Romance Languages.)



## § 6.

## ORIENTAL LITERATURE.

*Lecturer*—J. M. HIRSCHFELDER, Esq.

## Subjects of Lectures:

## FIRST YEAR.

## HEBREW.

Grammar, to end of irregular Verbs (Gesenius); Genesis, Chaps. I. II. III. IV. & V.; Psalms, I. II. III. IV. & V.; History of the Hebrew Language and Literature.

## SECOND YEAR.

## HEBREW.

Grammar, continued to end of Syntax; Genesis, Chaps. XXXVII. to end of Book; Psalms, VI. to XXV.; Lowth's Lectures on Hebrew Poetry.

## THIRD YEAR.

## HEBREW.

Psalms, XL. CXXXIII. and CXXXVII.; Isaiah, Chaps. IV. VII. XIV. LII. & LIII.

## CHALDEE.

Grammar (Winer's); Daniel, Chaps. II. & III.; History of the Chaldee Language and Literature.

## FOURTH YEAR.

## HEBREW.

Job, Chaps. III. IV. V. VI. & VII.; Proverbs, Chaps. I. II. & III.; Ecclesiastes, Chaps. I. & XII.

## CHALDEE.

Daniel, Chaps. IV. to end of VII.; Ezra, Chaps. IV. to end of VI.

## SYRIAC.

Grammar (Phillips's); The Parables in the New Testament; History of the Syriac Language and Literature.

## ARABIC.

Grammar; Extracts from the Koran and other Arabic works; History of the Arabic Language and Literature.

## SAMARITAN.

Portions of the Pentateuch.

## § 7.

## MATHEMATICS AND NATURAL PHILOSOPHY.

*Professor of Natural Philosophy*—J. B. CHERRIMAN, M.A.

Subjects of Lectures :

## FIRST YEAR.

Arithmetic; Algebra (Colenso's); Euclid (Colenso's); and Plane Trigonometry (Colenso's).

## SECOND YEAR.

Elements of Statics and Dynamics (Cherriman's);  
\*Analytical Conic Sections (Hymers' or Todhunter's);  
\*Newton's Principia, Sects. I. II. & III. (Evans' ed.); and  
\*Rudiments of Differential and Integral Calculus.

## THIRD YEAR.

Elements of Hydrostatics (Cherriman's) and Optics (Brewstér's); \*Differential and Integral Calculus (De Mor-

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\* Only for Candidates for Honors.

gan's); \*Analytical Geometry of two and three dimensions (Salmon's and Hymers'); \*Theory of Algebraic Equations (Hymers'); \*Analytical Statics (Todhunter's); \*Dynamics of a particle (Sandeman's); \*Geometrical Optics (Griffin's); \*Hydrostatics (Miller's).

## FOURTH YEAR.

Elements of Astronomy (Herschel's) and Acoustics (Herschel's or Peirce's); \*Spherical Trigonometry (Hann's); \*Newton's Principia, Secs. IX. & XI. (Evans's ed.); \*Plane Astronomy (Hymers'); \*Lunar Theory (Godfrey's).

\* \* The Lectures on Natural Philosophy are illustrated by Apparatus.

## § 8.

## METEOROLOGY.

*Professor*—G. T. KINGSTON, M.A.

## Subjects of Lectures :

Preliminary remarks on the nature and object of the science.

A brief examination of some of the properties of heat and gaseous bodies.

A description of the construction and use of meteorological instruments, and of the mode of registering and classifying the data which these instruments severally furnish.

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\* Only for Candidates for Honors.

Considerations relative to temperature, with its diurnal and annual variations and geographical distribution.

An enquiry into the causes and physical peculiarities of different winds.

An investigation of aqueous phenomena, including the variations in the hygrometric condition of the atmosphere; the formation of clouds, fog, dew, rain and snow; comparative prevalence of rain in different periods and in different regions.

Examination of the laws regulating the diurnal, annual and geographical fluctuations of barometric pressure. Connexion between wind, the indications of the barometer, and aqueous precipitation.

Practical application of Meteorology, with reference to animal and vegetable life and the industrial occupations of man.

(*Text-books*—Kaemtz's Meteorology, by Walker; Drew's Practical Meteorology.)

Demonstrations are given by the Professor at the Magnetical Observatory.

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§ 9.

CHEMISTRY.

*Professor*—H. H. CROFT, D.C.L.

Subjects of Lectures :

FIRST YEAR.

ELEMENTARY CHEMISTRY.

In this course, which is intended as an introduction to the science, particular attention will be paid to Chemical

Affinity, Laws of combining Proportion, Chemical Nomenclature, and Notation: Heat and Electricity being only slightly touched on. Especial attention will be directed to Inorganic Chemistry, and the Organic division given only in outline.

The course will be illustrated by experiments.

(*Text-book*—Chemistry, in Chambers's Educational Course.)

#### SECOND YEAR.

#### CHEMISTRY AND CHEMICAL PHYSICS.

Origin and history of Chemistry—connexion with other sciences.

General properties of matter—adhesion and cohesion—crystallization—specific gravity, &c.

Heat—expansion—thermometers—ventilation—change of state of aggregation—vapours.

Light—as a chemical agent—Photography, &c

Statical Electricity—Galvanism—Magnetism—Electromagnetism—Electric Telegraph—Thunder storms, &c.

Chemical affinity—nomenclature—law of equivalents—atomic theory.

Non-metallic elements—their combinations.

Metallic elements—their ores and combinations.

Vegetable Chemistry.

Animal Chemistry.

Application of Chemistry to Agriculture and to Physiology.

The Lectures will be illustrated by experiments, specimens, diagrams, and an extensive collection of models and physical apparatus.

The useful applications of the science to manufactures, the arts, pharmacy and medicine, will be made particularly prominent. The detection of poisons and adulterations, as well as testing in general, will also be fully considered.

(*Text-books*—Fownes's Elements of Chemistry; Gregory's Handbook of Inorganic Chemistry; Lardner's Handbook of Heat and Electricity, or Miller's Chemical Physics.)

#### THIRD YEAR.

##### APPLIED CHEMISTRY.

In this course the application of Chemistry to the arts and manufactures, and to the ordinary purposes of life, will be more fully entered into; as, for instance, glass making, china and pottery, gas, sugar, calico printing, dyeing, tanning, preservation and preparation of food, metallurgic processes, &c., &c.

The Lectures will be illustrated by diagrams, models, and specimens of manufacture.

(*Text-book*—Knapp's Technology.)

#### FOURTH YEAR.

##### ORGANIC CHEMISTRY.

In this course an acquaintance with Inorganic Chemistry and with the general principles of the science is presupposed, and more attention will be paid to the vegetable and animal departments than in the second year's course.

The various theories and practical applications will be made more prominent.

(*Text-book*—Gregory's Hand-book of Organic Chemistry.)

## ANALYTICAL CHEMISTRY.

In this short course the preparation of pure re-agents, the use of analytical apparatus, the detection of poisons, and the general process of qualitative analysis will be discussed, and an introduction given to the study of quantitative operations.

(*Text-books*—Fresenius' or Noad's Qualitative Analysis.)

## PRACTICAL CHEMISTRY.

Classes will be formed for practical instruction in chemical manipulation, qualitative and quantitative analysis, examination of ores and mineral waters, chemical and pharmaceutical preparations, toxicological investigations, and the general operations of the laboratory.

This course is optional, and will be given at hours in the afternoon to suit the convenience of students.

## § 10.

NATURAL HISTORY :  
INCLUDING ZOOLOGY AND BOTANY.

*Professor*—REV. WILLIAM HINCKS, F.L.S.

(Late Professor in Queen's College, Cork.)

Three courses of Lectures are given in this department : an introductory course for Undergraduates of the first year, and two detailed courses for Undergraduates of the third year.

## I.—INTRODUCTORY COURSE ON ZOOLOGY AND BOTANY.

This course comprehends the elements of Comparative Physiology, with a general view of the structure and arrangement of the Animal Kingdom; and the elements of structural and systematical Botany.

(*Text-books*—Agassiz and Gould's Principles of Zoology; Gray's First Lessons in Botany.)

Candidates for Honors are required to take up the structure and arrangement of Lamellibranchiate and Gasteropodous Mollusks, and a general view of the structure and arrangement of Birds; also, in Botany, the elements of Vegetable Physiology.

A supplementary course of at least twelve Lectures will be given to Agricultural Students on subjects immediately connected with their particular object.

(*Books of reference*—Woodward's Rudimentary Treatise on Recent and Fossil Shells; Gray's First Lessons, XXII.—XXVII.; Lindley's School Botany, last Chapter.)

## II.—DETAILED COURSE ON ZOOLOGY.

In this course each division of the Animal Kingdom is separately considered as to its structure and arrangement, the fullest details being given where the subjects appear to be of most general interest, and where the means of illustration are most accessible.

(*Books of reference*—Owen's Lectures on Comparative Anatomy; Clark's Translation of Vander Höven's Handbook of Zoology; Jones's Animal Kingdom.)

## III.—DETAILED COURSE ON BOTANY.

In this course the objects proposed are, first, to lay a good foundation for any further Botanical studies in



Physiology, Organography, and Morphology, and then to illustrate that arrangement of the Vegetable Kingdom which is judged to be on the whole preferable, with a constant reference to the uses of the objects noticed, and to the connexion of certain properties with Natural groups.

(*Text-books*—Gray's Botanical Text-Book; Lindley's Vegetable Kingdom.)

\* \* \* The Lectures are copiously illustrated by specimens, diagrams, drawings, and the use of the microscope.

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§ 11.

MINERALOGY AND GEOLOGY.

*Professor*—E. J. CHAPMAN, ESQ.

(Late Professor in University College, London.)

Three separate courses of Lectures are given in this department: an elementary course for Undergraduates of the second year, and Occasional Students generally; and two advanced courses for Undergraduates of the fourth year. The elementary course is also especially adapted for gentlemen intending to qualify themselves for the examination appointed for Provincial Surveyors. The Lectures are illustrated by numerous diagrams, specimens, and models; and printed tables and other aids to study are furnished to the Students free of charge.

I.—ELEMENTARY COURSE ON MINERALOGY AND GEOLOGY,  
INCLUDING THE LEADING PRINCIPLES OF PHYSICAL  
GEOGRAPHY.

This course, comprising about forty Lectures, is discussed in the following order:—

1. *The Elementary Principles of Mineralogy*; comprising, more especially, the practical discrimination of Minerals.

(*Book of reference*—Dana's Manual of Mineralogy.)

2. *The Elements of Geology and Paleontology.*

(*Book of reference*—Lyell's Elementary Manual.)

3. *The Elements of Physical Geography.*

(*Book of reference*—Johnston's Elementary Atlas of Physical Phenomena, 8vo. edition.)

## II.—ADVANCED COURSE ON MINERALOGY.

In this course the following subdivisions are adopted:—

1. *The Physical and Chemical Relations of Mineralogy.*—This division includes the subject of Crystallography, the Classification of Minerals, and other questions constituting the general philosophy of the science. A certain knowledge of the common principles of Chemistry, and of Plane and Spherical Trigonometry, is here desirable on the part of the Student.

2. *Descriptive and Applied Mineralogy.*—Examinations of all the more important or interesting mineral substances that occur in nature, with the industrial applications of these considered in detail.

(*Book of reference*—Dana's System of Mineralogy, 4th ed.)

## III.—ADVANCED COURSE ON GEOLOGY AND PHYSICAL GEOGRAPHY.

This course is discussed under the following subdivisions:—

1. *Fundamental Principles of Geology.*—A review of the common facts of the science, and of Geological Phenomena in general.

2. *Paleontology*.—The study of Organic Remains: a subject not only of high scientific interest, but also of the greatest practical importance in determining the relative ages and positions of rock groups.

3. *Chronological and Descriptive Geology*.—The application of the preceding branches of inquiry to the interpretation of the Physical History of the Earth. The Geology of Canada is fully entered into in this part of the course.

4. *Physical Geography*.—The Earth in its present aspect and conditions.

5. *Economic and Applied Geology*.—A sketch of the more important Geological applications, with notices of rock materials used in Agriculture and the Arts.

(*Books of reference*—Lyell's Elements and Principles of Geology; De la Beche's Geological Manual; Pictet's Paléontologie; Geology of Canada, by Logan and Hunt; Johnston's Quarto Atlas of Physical Geography.)

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§ 12.

AGRICULTURE.

*Professor*—GEORGE BUCKLAND, Esq.

Subjects of Lectures :

I.—HISTORY OF THE ART.

- (a) Agriculture, as understood and practised by the ancients.
- (b) Agriculture during the Middle Ages.
- (c) Modern Agriculture.

## II.—THE SCIENCE OF AGRICULTURE.

- (a) Soils: their origin, composition, distribution, classification, &c. Relations of Geology, Chemical and Mechanical Analyses.
- (b) Plants: their structure, composition, growth, &c. Manures: theory, action, and relative value of; modes of preparing, applying, and economizing. Relations of Chemistry and Botany to Agriculture.
- (c) The domesticated animals of the farm: history and description of varieties or breeds; the principles of breeding, with biographical sketches of the more distinguished breeders; diseases and treatment; relations of animal physiology to breeding, feeding, &c.
- (d) Influence of climate on agricultural productions, both animal and vegetable. Value of a knowledge of Meteorology and Physical Geography to farmers.

## III.—THE PRACTICE OF AGRICULTURE.

- (a) Methods of acquiring a practical knowledge of farming. Importance of an agricultural literature. Connection of theory and practice. Popular fallacies.
- (b) Principles of cultivation: instruments of tillage, illustrated and described.
- (c) Draining: its value and various modes of execution explained. Subsoil ploughing. Fallowing. Rotation of crops, &c.

- (d) History, cultivation, and economic uses of the various grains, roots, &c., raised on the farm. Weeds. Blights, and their remedies. Harvesting and securing crops.
- (e) The practice of manuring, and the means of restoring exhausted land. Management of pasture. Irrigation, &c.
- (f) The management of stock, and the construction and arrangement of farm buildings.
- (g) Dairy management: butter and cheese-making, &c.
- (h) Management of landed property: principles of the lease: theory of rent: relations of Political Economy to rural affairs.
- (i) Agriculture as a pursuit: economic importance of, its place in a system of general education, tendency to foster feelings of patriotism, &c.

N.B.—Instructions are regularly given on the Experimental Grounds attached to the College, illustrating the principles of practice with science.

The Professors of Chemistry, of Natural History (including Botany and Entomology), of Mineralogy and Geology, and of Meteorology, will each give special Lectures on those branches of Scientific Agriculture which come within their respective departments.

(*Books of Reference*—Stephens's Farmers' Guide; Loudon's Encyclopedia of Agriculture; Morton's do.; Johnston's Elements of Agricultural Chemistry and Geology; Boussingault's Rural Economy; Low's Practical Agriculture, and Domesticated Animals.)



## PRAYERS.

\*The following Prayers are to be read on each Lecture-day in the College-hall at 10 o'clock :

“O Lord God, the fountain of Light and Truth, from whom cometh every good gift unto man, and from whom are derived all our powers and faculties, bless, we beseech Thee, our labors and studies in this College. Preserve us from indolence, carelessness, and self-conceit; vouchsafe unto us diligence, patience, and a love of truth; and grant both to those who teach, and to those who learn, that whilst engaged in the discharge of the duties of time, they may ever be mindful of the more important interests of eternity; and that through Thy Grace they may so order their thoughts, words, and actions, as to aim not merely at the welfare of themselves and their fellow-creatures, but also at Thy honor and glory. And this we humbly pray in the name and for the sake of Thy Son, our Saviour, Jesus Christ.”

“Our Father, which art in Heaven, Hallowed be thy Name. Thy kingdom come. Thy will be done in earth, As it is in heaven. Give us this day our daily bread. And forgive us our trespasses, As we forgive them that trespass against us. And lead us not into temptation; But deliver us from evil: For thine is the kingdom, The power, and the glory, For ever and ever. Amen.”

“The Grace of our Lord Jesus Christ, and the love of God, and the fellowship of the Holy Ghost, be with us all evermore. Amen.”

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\* Attendance is voluntary.

SECTION VIII.—EXAMINATIONS.  

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1. Examinations are held at the close of each Term in the subjects of Lecture during that Term.

2. All Undergraduate Students of the College, are required to attend the Examinations in every department or branch prescribed by the University of Toronto as necessary for Students of their respective standings.

3. Students or Occasional Students are not required to attend the Examinations, unless they are Candidates for Honors, or desire to obtain Certificates of Attendance.

4. Candidates for Prizes or Honors are arranged according to their proficiency in two classes, and those who are not Candidates for Prizes or Honors are similarly arranged in the third class.

5. Undergraduates, who are not Candidates for Honors, if they have passed the College Examinations during the 1st and 3rd years of their Course, are not required to attend the University Examinations for those years.

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SECTION IX.—UNIVERSITY COLLEGE PRIZES AND  
CERTIFICATES OF HONOR.

Certificates of Honor in each department are awarded to those Students, who have been placed in the first class at one of the Terminal Examinations, and in either first or second class at the other. The Prize in each department is awarded, and on the same principle, to that Student, whose standing is highest on comparison of the results of the Examinations.

UNIVERSITY COLLEGE PRIZE AND HONOR LISTS  
FROM 1855.

UNDERGRADUATES.

	<i>Greek and Latin.</i>	<i>Mathematics.</i>	<i>Metaphysics &amp; Ethics.</i>
1855. 4th Year....	Crombie (M.M.) <i>Prizeman.</i>		
3rd Year....	Matheson (T.) <i>Prizeman.</i>		Matheson (T.) <i>Prizeman.</i>
2nd Year ...	{ Ross (Jas.) Francis (W.S.) <i>Prizemen.</i>		Kennedy (G.) <i>Prizeman.</i>
1st Year....	1. Moss (T.) <i>Prizeman.</i> 2. Rattray (W. J.)	1. Moss (T.) <i>Prizeman.</i> 2. McCabe (W.)	1. Rattray (W. J.) <i>Prizeman.</i> 2. Paul (C. D.)
1856. 3rd Year....	Ross (J.) <i>Prizeman.</i>	Kennedy (G.) <i>Prizeman.</i>	Kennedy (G.) <i>Prizeman.</i>
2nd Year...	1. Moss (T.) 2. Rattray (W. J.)	Moss (T.)	1. Rattray (J.) 2. Paul (C. D.)
1st year...	1. Kerr (W. H. C.) <i>Prizeman.</i> 2. Tassie (H.)	1. Monsarrat (N.) <i>Prizeman.</i> 2. McDougall (J. L.)	Holcomb (J. H.) <i>Prizeman.</i>
1857. 4th Year....			Kennedy (G.) <i>Prizeman.</i>

COLLEGE PRIZE AND HONOR LISTS—*Continued.*

	<i>Greek and Latin.</i>	<i>Mathematics.</i>	<i>Metaphysics &amp; Ethics.</i>	
1857. 3rd Year...	1. Moss (T.) <i>Prizeman.</i>	Moss (T.) <i>Prizeman.</i>	Ratray (W. J.) <i>Prizeman.</i>	1857.
	2. Ratray (W. J.)			
2nd Year ...	{ Kerr (W. H. C.) Tassie (H.) <i>Prizemen.</i>	McDougall (J. L.) <i>Prizeman.</i>	1. Sullivan (R.) <i>Prizeman.</i> 2. Holcomb (J. H.)	
1st Year...	Frazer (J. T.) <i>Prizeman.</i>	1. Rock (W.) <i>Prizeman.</i> 2. McMurdy (A.) 3. Scott (W. H.)	Frazer (J. T.)	
—				
	<i>Chemistry.</i>	<i>Zoology &amp; Botany.</i>	<i>Mineralogy &amp; Geology.</i>	
1855. 4th Year...			1. Cattanach (A.) <i>Prizeman.</i> 2. Walker (N. O.)	1855.
3rd Year...	1. Matheson (R.) <i>Prizeman.</i> 2. Matheson (T.)	Matheson (R.) <i>Prizeman.</i>		
2nd Year ...	Oliver (W.) <i>Prizeman.</i>			
1st Year ....		Moss (T.) <i>Prizeman.</i>	1. Moss (T.) <i>Prizeman.</i> 2. Ratray (W. J.)	
1856. 4th Year....			Hume (R.) <i>Prizeman.</i>	
3rd Year....	Oliver (W.) <i>Prizeman.</i>	Francis (W. S.) <i>Prizeman.</i>		
2nd Year...	Ratray (W. J.) <i>Prizeman.</i>			
1st year...		Mitchell (J.) <i>Prizeman.</i>	1. Mitchell (J.) <i>Prizeman.</i> 2. Sullivan (R.) 3. Kerr (W. H. C.) 4. Tassie (H.) 5. Monsarrat (N.)	1856.

COLLEGE PRIZE AND HONOR LISTS—Continued.

	<i>Chemistry.</i>	<i>Zoology &amp; Botany.</i>	<i>Mineralogy &amp; Geology.</i>
1857. 4th Year...	Oliver (W.) <i>Prizeman.</i>		1. Oliver (W.) <i>Prizeman.</i> 2. Kennedy (G.)
3rd Year ...	Ratray (W. J.) <i>Prizeman.</i>	Ratray (W. J.) <i>Prizeman.</i>	
2nd Year...	Mitchell (J.) <i>Prizeman.</i>		
1st Year...		Sinclair (W.) <i>Prizeman.</i>	1. Sinclair (W.) <i>Prizeman.</i> 2. Boyd (J. A.)

	<i>History.</i>	<i>Logic.</i>	<i>Rhetoric.</i>
1855. 4th Year...	1. Cattanach (A.) <i>Jameson Medalist.</i> 2. Crombie (M. M.) 3. Sanderson (J. E.) 4. Walker (N. O.)		
3rd Year...	1. Matheson (R.) <i>Prizeman.</i> 2. Hodgins (T.) 3. McDermid (P.)		
2nd Year...	1. Ross (J.) <i>Prizeman.</i> 2. Oliver (W.)		
1st Year...	1. Ratray (W. J.) <i>Prizeman.</i> 2. Moss (T.) 3. McNaughton (T.)	1. Ratray (W. J.) <i>Prizeman.</i> 2. Moss (T.) 3. McNaughton (T.) 4. McCabe (W.) 5. Paul (C. D.)	
1856. 4th Year...	1. Bowlby (W. H.) <i>Jameson Medalist.</i> 2. Hodgins (T.)		

COLLEGE PRIZE AND HONOR LISTS—*Continued.*

	<i>History.</i>	<i>Logic.</i>	<i>Rhetoric.</i>	
1856. 3rd Year ...	1. Ross (J.) <i>Prizeman.</i>			1855.
	2. Oliver (W.)			
2nd Year ...	1. Moss (T.) <i>Prizeman.</i>			
	2. Rattray (W. J.)			
1st Year ...	1. Kerr (W. H.) <i>Prizeman.</i>	1. Monsarrat (N.) <i>Prizeman.</i>		
	2. Mitchell (J.)	2. Ross (D. W.)		
	3. Sullivan (R.)			
	4. Appelbe (R. A.)			
1857. 4th Year ...	1. Ross (J.) <i>Jameson Medalist.</i>			1856.
	2. Kennedy (G.)			
3rd Year ...	1. Moss (T.) <i>Prizeman.</i>			
	2. Rattray (W. J.)			
	3. Young (F. H.)			
2nd Year ...	1. Mitchell (J.) <i>Prizeman.</i>		Kerr (W. H. C.) <i>Prizeman.</i>	
	2. Kerr (W. H. C.)			
	3. Tassie (H.)			
	4. McDougall (J. L.)			
	5. Holcomb (J. H.)			
1st Year ...	1. Boyd (J. A.) <i>Prizeman.</i>	Frazer (J. T.) <i>Prizeman.</i>		
	2. McMurchy (A.)			
	3. Frazer (J. T.)			1857.
—————				
	<i>English.</i>	<i>French.</i>	<i>German.</i>	
1855., 4th Year ...	1. Cattannach (A.) <i>Jameson Medalist.</i>	Cattannach (A.) <i>Prizeman.</i>		
	2. Sanderson (J. E.)			

COLLEGE PRIZE AND HONOR LISTS—*Continued.*

	<i>English.</i>	<i>French.</i>	<i>German.</i>
1855. 3rd Year...	1. Hodgins (T.) <i>Prizeman.</i>		
	2. McDermid (P.)		
2nd Year...	1. Ross (J.) <i>Prizeman.</i>	1. Ross (J.) <i>Prizeman.</i>	Ross (J.) <i>Prizeman.</i>
	2. Oliver (W.)	2. Oliver (W.)	
1st Year...	1. Moss (T.) <i>Prizeman.</i>	Moss (T.) <i>Prizeman.</i>	
	2. Rattray (W. J.)		
	3. McNaughton (T.)		
1856. 4th Year...	1. Bowlby (W. H.) <i>Jameson Medalist.</i>		
	2. Hodgins (T.)		
3rd Year...	1. Ross (J.) <i>Prizeman.</i>	1. Ross (J.) <i>Prizeman.</i>	1. Ross (J.) <i>Prizeman.</i>
	2. Oliver (W.)	2. Oliver (W.)	2. Oliver (W.)
2nd Year...	Moss (T.) <i>Prizeman.</i>	Moss (T.) <i>Prizeman.</i>	Moss (T.) <i>Prizeman.</i>
1st Year...	1. Mitchell (J.) <i>Prizeman.</i>	1. 2. { Monsarrat (N.) Prizeman.	
	2. Appelbe (R. A.)	{ McDougall (J. L.)	
	3. Ross (D. W.)	3. Sullivan (R.)	
	4. Sullivan (R.)	4. Ross (D. W.)	
1857. 4th Year.....	{ Ross (J.) <i>Jameson Medalist.</i> Kennedy (G.)	1. Ross (J.) <i>Prizeman.</i> 2. Oliver (W.)	1. Oliver (W.) <i>Prizeman.</i> 2. Ross (J.)
3rd Year...	1. Rattray (W. J.) <i>Prizeman.</i>	1. Moss (T.) <sup>o</sup> <i>Prizeman.</i>	1. Moss (T.) <i>Prizeman.</i>
	2. Moss (T.)	2. Young (F. H.)	2. Young (F. H.)
	3. Young (F. H.)		

oric.

(W. H. C.)

*Prizeman.**German.*

## COLLEGE PRIZE AND HONOR LISTS—Continued.

	<i>English.</i>	<i>French.</i>	<i>German.</i>	
1857. 2nd Year....	1. Kerr (W. H. C.) <i>Prizeman.</i>	McDougall (J. L.) <i>Prizeman.</i>	Sullivan (R.) <i>Prizeman.</i>	1855.
	2. Mitchell (J.)			1856.
	3. Tassie (H.)			
	4. McDougall (J. L.)			
1st Year....	1. Boyd (J. A.) <i>Prizeman.</i>	1. Boyd (J. A.) <i>Prizeman.</i>		1857.
	2. Frazer (J. T.)	2. Frazer (J. T.)		
	3. Wadsworth (J.)			
	4. Scott (W. H.)			
_____				
	<i>Italian.</i>	<i>Spanish.</i>	<i>Hebrew.</i>	
1855.			McDermid (P.) <i>Prizeman.</i>	1856.
1856.	Ross (J.) <i>Prizeman.</i>		Hume (R.) <i>Prizeman.</i>	
1857.	Moss (T.) <i>Prizeman.</i>	1. Kennedy (G.) <i>Prizeman.</i>	McDermid (P.) <i>Prizeman.</i>	1857.
		2. Young (F. H.)	Frazer (D.) <i>Prizeman.</i>	
_____				

## OCCASIONAL STUDENTS.

	<i>History.</i>	<i>English.</i>	<i>Mineralogy &amp; Geology</i>
1855.	Frazer (D.)	Frazer (D.)	
1856.			Grierson (J. C.) <i>Prizeman.</i>
1857.	Grierson (J. C.) <i>Prizeman.</i>	1. Grierson (J. C.) <i>Prizeman.</i>	Smith (J.) <i>Prizeman.</i>
		2. Brown (J.)	

COLLEGE PRIZE AND HONOR LISTS—*Continued.*

	<i>French.</i>	<i>German.</i>	<i>Italian.</i>
1855.		Fenwick (T.) <i>Prizeman.</i>	Harper (Rev. E. B.) <i>Prizeman.</i>
1856.	Grierson (J. C.) <i>Prizeman.</i>	Frazer (D.) <i>Prizeman.</i>	
1857.	Grierson (J. C.) <i>Prizeman.</i>	Grierson (J. C.) <i>Prizeman.</i>	

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	<i>Hebrew.</i>	<i>Arabic.</i>	<i>Agriculture.</i>
1855.	Gemley (Rev. J.) <i>Prizeman.</i>	Harper (Rev. E. B.) <i>Prizeman.</i>	Sanderson (J. E.) Baldwin (W. W.) <i>Prizemen.</i>
1856. 2nd Year....	{ Gemley (Rev. J.) { Frazer (D.) <i>Prizemen.</i>		
1st Year ...	McVicar (D.) <i>Prizeman.</i>		
1857. 3rd Year ...	Fenwick (T.)	Fenwick (T.) <i>Prizeman.</i>	
2nd Year...	Robertson (J.)		
1st Year ...	1. McKinnon (N.) <i>Prizeman.</i> 2. Fletcher (D. H.)		1. Young (F. H.) <i>Prizeman.</i> 2. Weir (J.) 3. Brown (J.)

*Geology*

(J. C.)  
*man.*

(J.)  
*n.*

SECTION X.—UNIVERSITY SCHOLARSHIPS,  
MEDALS, PRIZES, AND CERTIFICATES OF  
HONOR.

---

The following distinctions are open to competition  
amongst the Students of the College :

“SCHOLARSHIPS.

ARTS.

FIRST YEAR.

Two in the Greek and Latin Classics, with History.

Two in Mathematics.

One in the Natural Sciences.

One in Modern Languages, with History.

One in Oriental Languages.

One for general proficiency in the subjects appointed for  
all Students.

SECOND YEAR.

Two in the Greek and Latin Classics.

Two in Mathematics.

One in the Natural Sciences.

One in Modern Languages, with History.

One in Logic, Ethics, and Metaphysics.

One in Oriental Languages.



## THIRD YEAR.

Two in Greek and Latin Classics, with Ethnology.

Two in Mathematics.

One in the Natural Sciences.

One in the Modern Languages, with History.

One in Ethics and Metaphysics, with Civil Polity and History.

One in Oriental Languages.

## FOR THE DEGREE OF B.A.

One in the Greek and Latin Classics.

One in Mathematics.

One in the Natural Sciences.

One in Modern Languages.

One in Logic, Ethics, and Metaphysics, with Civil Polity.

Additional Scholarships will be granted to Students matriculated before September, 1856, who would have been entitled to Scholarships under the Statutes at that time in force.

Each Scholarship is of the value of Thirty Pounds a year.

Each Scholarship is tenable for one year only, but the Scholars of one year are eligible for the Scholarships of the succeeding years.

No Student can hold two Scholarships at the same time; but if two or more Scholarships have been awarded to him, he must, before the declaration of the Class List, make his

election which Scholarship he will hold, or otherwise the Vice-Chancellor will make the election for him, to the intent that the Scholarship which is so vacated may be awarded to the Student who would next have been entitled to it; but a Student, having obtained more than one Scholarship, will be entitled to the sum of Ten Pounds for each additional Scholarship, and the Scholarship which he holds, will be called a double, triple, &c. Scholarship, as the case may be.

All Scholars will be required to sign a declaration that it is their intention to proceed to a Degree in the University of Toronto."

#### CIVIL ENGINEERING AND AGRICULTURE.

"In each department, there is one Scholarship for Matriculants, and one for Students of one year's standing."

#### MEDALS, PRIZES, AND CERTIFICATES OF HONOR.

"Gold Medals will be given to the Students who at the Final Examination for the Degree of B.A. have been placed first in the first class of Honors in the following departments, viz.:

Greek and Latin Classics.

Mathematics (pure and applied.)

Natural Sciences.

Modern Languages.

Logic, Ethics, and Metaphysics, with Civil Polity.

Silver Medals will be given to the Students who at the Final Examination for the Degree of B.A. have been placed in any of the above departments in any position in the first class below the first.

A Prize of the value of five pounds in books will be given to each candidate, who, at the Final Examination for the Degree of B.A., has been placed first in any single branch in the Natural Sciences.

A Prize of the value of ten pounds in books will be given to the student, who, at the Final Examination for the Degree of B.A., has been placed first in the first class in Oriental Languages.

A Prize of the value of four pounds in books may be given annually for the best composition by Students below the standing of B.A., LL.B., or M.B., in some subject to be proposed by the Vice-Chancellor in each of the following departments, viz., Greek Verse, Greek Prose, Latin Verse, Latin Prose, English Verse, English Prose, French Prose, and German Prose.

Three Prizes of books of the value of £6, £4, and £2, respectively, may be given annually for the three best theses by candidates for the Degree of M.A.

Certificates of Honor will be given at each Examination to those Students who have been placed in the first class in any department."

## LIST OF UNIVERSITY DISTINCTIONS,

OBTAINED BY THE STUDENTS OF UNIVERSITY COLLEGE FROM 1853 TO 1857.

1853.

## I. FACULTY OF ARTS.

## MEDALS.

	<i>Greek and Latin.</i>	<i>Mathematics.</i>	<i>Modern Languages.</i>	
1853.	Marling (S. A.)	Brown (J.)		
1854.	Crombie (E.)	McGregor (C. J.)		1854.
1855.	1. Crombie (M. M.) 2. Kingsmill (N.)		Cattanach (A.)	
1857.			Ross (J.)	

	<i>Chemistry, Zoology, and Botany.</i>	<i>Chemistry, Mineralogy, and Geology.</i>	<i>Metaphysics, Ethics, and Civil Polity.</i>	
1855.	Walker (N. O.)	Walker (N. O.)		
1856.	Matheson (R.)			
1857.	Burns (N.)	Oliver (W.)	Kennedy (G.)	1855. C

	<i>Metaphysics.</i>	<i>Ethics.</i>	<i>Natural Philosophy.</i>	
1853.	Wells (R. M.)	Brown (J.)	Bayly (R.)	2
1854.		English (C. E.)	McGregor (C. J.)	1

*Jameson Medal.*

1853.	Wells (R. M.)	1854.	English (C. E.)
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SCHOLARSHIPS AND CERTIFICATES OF HONOR.

	<i>Greek and Latin, with History.</i>	<i>Mathematics.</i>	<i>Metaphysics and Ethics.</i>
1853. Cand. B. A....	1. Marling (S. A.) 2. Brown (J.) 3. Blake (D. E.) <i>Scholars.</i>	1. Brown (J.) 2. Bayly (R.) <i>Scholars.</i> 3. Oille (L. S.)	{ Wells (R. M.) { Brown (J.)
2nd Year.....	Crombie (E.) <i>Scholar.</i>	1. McGregor (C. J.) 2. English (C. E.) <i>Scholars.</i>	{ McGregor (C. J.) { English (C. E.)
1st Year.....	1. Crombie (M. M.) 2. Kingsmill (N.) <i>Scholars.</i>	1. Crombie (M. M.) 2. Walker (N. O.) <i>Scholars.</i>	1.2. { Cattanach (A.) { Linklater (W.) 3. Crombie (M. M.)
1854. Cand. B. A....	Crombie (E.) <i>Scholar.</i>	1. McGregor (C. J.) 2. English (C. E.) <i>Scholars.</i>	English (C. E.)
2nd Year.....	1. Crombie (M. M.) 2. Kingsmill (N.) <i>Scholars.</i>	1. Walker (N. O.) 2. Linklater (W.) 3. Crombie (M. M.) <i>Scholars.</i>	Crombie (M. M.)
1st Year.....	1. Kennedy (G.) 2. Ross (J.) 3. Francis (W. S.) 4. Matheson (T.) <i>Scholars.</i>	1. Bowlby (W. H.) 2. Matheson (R.) 3. Burns (N.) 4. Kennedy (G.) <i>Scholars.</i>	Matheson (T.)
1855. Cand. B. A....	1. Crombie (M. M.) 2. Kingsmill (N.) <i>Scholars.</i>		
3rd Year.....	1. Matheson (T.) 2. Lister (B. P.) <i>Scholars.</i>		Matheson (T.) <i>Scholar.</i>
2nd Year.....	1. Ross (J.) 2. Francis (W. S.) <i>Scholars.</i>		Kennedy (G.) <i>Scholar.</i>
1st Year.....	1. Moss (T.) 2. Rattray (W. J.) <i>Scholars.</i> 3. Mulligan (G. K.)	1. Moss (T.) 2. McCabe (W.) 3. Barnhart (C. E.) <i>Scholars.</i>	Paul (C. D.) <i>Scholar.</i>

## UNIVERSITY SCHOLARSHIPS AND CERTIFICATES OF HONOR—Continued.

	<i>Greek and Latin, with History.</i>	<i>Mathematics.</i>	<i>Metaphysics and Ethics.</i>
1856. 3rd Year.....	Ross (J.) <i>Scholar.</i>	Kennedy (G.) <i>Scholar.</i>	Kennedy (G.) <i>Scholar.</i>
2nd Year.....	1. Moss (T.) 2. Rattray (W. J.) <i>Scholars.</i>	1. Moss (T.) 2. Mulligan (G. K.) <i>Scholars.</i>	Paul (C. D.) <i>Scholar.</i>
1st Year.....	1. Kerr (W. H.) 2. Tassie (H.) <i>Scholars.</i>	1. McDougall (J. L.) 2. Monsarrat (N.) 3. Appelbe (R. S.) <i>Scholars.</i>	Holcomb (J. H.) <i>Scholar.</i>
1857. Cand. B. A...			Kennedy (G.)
3rd Year.....	1. Moss (T.) 2. Rattray (W. J.) <i>Scholars.</i>	Moss (T.) <i>Scholar.</i>	Paul (C. D.) <i>Scholar.</i>
2nd Year.....	1. Kerr (W. H.) 2. Tassie (H.) <i>Scholars.</i>	McDougall (J. L.) <i>Scholar.</i>	1. Sullivan (R.) 2. Holcomb (J. H.) <i>Scholar.</i>
1st Year.....	Frazer (J. T.) <i>Scholar.</i>	Rock (W.) <i>Scholar.</i>	Gillespie (A. S.) <i>Scholar.</i>
—————			
	<i>Natural Sciences.</i>	<i>Modern Languages, with History.</i>	<i>Oriental Languages.</i>
1858. Cand. B. A...	1. Bayly (R.) 2. Oille (L. S.) 3. Brown (J.)		
1st Year.....	Walker (N. O.)		
1854. Cand. B. A...	McGregor (C. J.)		
2nd Year.....	Walker (N. O.)		

UNIV

1854.

1855.

1856.

1857.

## UNIVERSITY SCHOLARSHIPS AND CERTIFICATES OF HONOR—Continued.

*Natural Sciences. Modern Languages. Oriental Languages.*

1854.	1st Year.....	1. Bowlby (W. H.) 2. Burns (N.)	Ross (J.)	
1855.	Cand. B. A...	Walker (N. O.)	Cattanach (A.)	
	3rd Year.....			McDermid (P.) <i>Scholar.</i>
	2nd Year.....	1. Burns (N.) <i>Scholar.</i> 2. Kennedy (G.)	1. Ross (J.) <i>Scholar.</i> 2. Oliver (W.)	
	1st Year.....		Young (F. H.)	Tisdell (F. B.) <i>Scholar.</i>
1856.	Cand. B. A...	Matheson (R.)		Hume (R.)
	3rd Year.....	1. Francis (W. S.) 2. Burns (N.) <i>Scholars.</i>	1. Oliver (W.) 2. Ross (J.) <i>Scholars.</i>	
	2nd Year.....	McNaughton (T.) <i>Scholar.</i>	1. Moss (T.) 2. Frazer (D.) <i>Scholars.</i>	Frazer (D.) <i>Scholar.</i>
	1st Year.....	Mitchell (J.) <i>Scholar.</i>	1. McDougall (J.L.) 2. Sullivan (R.) <i>Scholars.</i>	White (J.) <i>Scholar.</i>
1857.	Cand. B. A...	1. Burns (N.) 2. Oliver (W.)	1. Ross (J.) 2. Oliver (W.)	McDermid (P.)
	3rd Year.....	Ratray (W. J.) <i>Scholar.</i>	Moss (T.) <i>Scholar.</i>	Frazer (D.) <i>Scholar.</i>
	2nd Year.....	Mitchell (J.) <i>Scholar.</i>	1. Sullivan (R.) <i>Scholar.</i> 2. 3. { McDougall (J.L.) Grierson (J. C.)	Tisdell (F. B.) <i>Scholar.</i>
	1st Year.....	Sinclair (W.) <i>Scholar.</i>	1. Boyd (J. A.) <i>Scholar.</i> 2. Frazer (J. T.) 3. McMurehy (A.)	

## UNIVERSITY SCHOLARSHIPS AND CERTIFICATES OF HONOR—Continued.

	<i>Civil Polity with History.</i>	<i>General Proficiency.</i>	<i>Agriculture.</i>	
1854.	Sanderson (J. E.) <i>Scholar.</i>		McNabb (A.) <i>Scholar.</i>	1853.
1855.	Hodgins (T.) <i>Scholar.</i>	McNaughton (T.) <i>Scholar.</i>		1854.
1857.	1. Rattray (W. J.) <i>Scholar.</i>			
	2. Moss (T.)			

## \*PRIZES.

	<i>Greek and Latin.</i>	<i>Mathematics.</i>	<i>Ethics.</i>	
1853. 2nd Year.....	Crombie (E.)	McGregor (C. J.)	English (C. E.)	1853. 3
1st Year.....	Crombie (M. M.)	Walker (N. O.)	Cattanach (A.)	2
1854. 2nd Year.....	Crombie (M. M.)	Crombie (M. M.)	Matheson (T.)	1854. 3
1st Year.....	Kennedy (G.)	Bowlby (W. H.)		2
				1
	<i>Metaphysics.</i>	<i>Logic.</i>	<i>Rhetoric.</i>	
1853. 2nd Year.....	McGregor (C. J.)		English C. E.)	1854. 3
1st Year.....		Linklater (W.)		2
1854. 2nd Year.....	Crombie (M. M.)		Kingsmill (N.)	1
1st Year.....		Oliver (W.)		1857.

\* For the present regulations relative to Prizes, see page 49.



UNIVERSITY PRIZES—*Continued.*

	<i>Chemistry.</i>	<i>Chemical Physics.</i>	<i>Natural History.</i>
1853. 1st Year.....	Walker (N. O.)	Walker (N. O.)	
1854. 2nd Year.....			Walker (N. O.)
1st Year.....	Bowlby (W. H.)	Bowlby (W. H.)	

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	<i>History &amp; English.</i>	<i>Mineralogy and Geology.</i>	<i>French.</i>
1854. Cand. B. A...		McGregor (C. J.)	
2nd Year.....	Cattanach (A.)		
1st Year.....	Ross (J.)		Ross (J.)

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	<i>Hebrew.</i>	<i>Syriac and Chaldee.</i>
1853. 3rd Year.....	Harper (Rev. E. B.)	Harper (Rev. E. B.)
2nd Year.....	1. Hume (R.) 2. Barker (E.)	
1st Year.....	Fotheringham (J.)	
1854. 3rd Year.....	Harper (Rev. E. B.)	Harper (Rev. E. B.)
2nd Year.....	Fotheringham (J.)	
1st Year.....	Lavell (Rev. C.)	
1857.	McDermid (P.)	

## UNIVERSITY PRIZES—Continued.

## COMPOSITIONS.

	<i>Greek Verse.</i>	<i>Greek Prose.</i>	<i>Latin Verse.</i>	
1855. Cand. B. A....	Crombie (M. M.)	Crombie (M. M.)	Kingsmill (N.)	1856.
3rd Year.....		Lister (B. P.)	Matheson (T.)	1857
1856. 2nd Year.....			Moss (T.)	
1st Year.....			Sullivan (R.)	
1857. B.A.....		Lister (B. P.)		
3rd Year.....	Moss.(T.)	Moss (T.)		1856.
2nd Year.....			Tassie (H.)	

	<i>Latin Prose.</i>	<i>English Verse.</i>	<i>English Prose.</i>	
1854. 2nd Year.....			Hodgins (T.)	1854.
1855. B.A.....			Peterson (H.W.)	1855.
Cand. B. A....		Sanderson(Rev.J.E.)	Sanderson(Rev.J.E.)	1856.
3rd Year.....	Lister (B. P.)	Hodgins (T.)	Hodgins (T.)	
2nd Year.....	Kennedy (G.)		Kennedy (G.)	
1st Year.....	Moss (T.)	Milroy (W.)		
1856. B.A.....			Cattanach (A.)	
Cand. B. A....	Lister (B. P.)		Hodgins (T.)	1855.
2nd Year.....	Moss (T.)		Moss (T.)	1856.

UNIVERSITY PRIZES—*Continued.*

COMPOSITIONS.

	<i>Latin Prose.</i>	<i>English Verse.</i>	<i>English Prose.</i>
1856. 1st Year.....	Kerr (W. H. C.)		Sullivan (R.)
1857 2nd Year.....	Tassie (H.)		
1st Year.....		Boyd (J. A.)	
—————			
	<i>French Prose.</i>	<i>German Prose.</i>	
1856. 2nd Year.....	Moss (T.)	Oliver (W.)	

II. FACULTY OF MEDICINE.

SCHOLARSHIPS.

	<i>Matriculation.</i>	<i>First Year.</i>	<i>Second Year.</i>
1854.	Francis (W. S.)		
1855.	Barnhart (C. E.)	Francis (W. S.)	Walker (N. O.)
1856.	1. Matheson (R.) 2. Young (F. H.) 3. McCabe (W.)	Barnhart (C. E.)	Oille (L. S.)

CERTIFICATES OF HONOR.

	<i>Anatomy and Physiology.</i>	<i>Practical Anatomy.</i>
1855. 3rd Year.....	Walker (N. O.)	Walker (N. O.)
1856. 2nd Year.....	Oille (L. S.)	Oille (L. S.)
1st Year.....	Barnhart (C. E.)	Barnhart (C. E.)

## UNIVERSITY SCHOLARSHIPS AND CERTIFICATES OF HONOR—Continued.

	<i>Chemistry.</i>	<i>Therapeutics, &amp;c.</i>
1855. 3rd Year.....	Walker (N. O.)	Walker (N. O.)
1st Year.....	Francis (W. S.)	
1856. 2nd Year.....	Oille (L. S.)	Oille (L. S.)
1st Year.....	Barnhart (C. E.)	

## III. FACULTY OF LAW.

## SCHOLARSHIPS AND CERTIFICATES OF HONOR.

	<i>First Mode.</i>	<i>Second Mode.</i>	<i>Third Mode.</i>
1854. Matriculation			1. Blake (D. E.) 2. Fitzgerald (E.) <i>Scholars.</i>
1855. 1st Year.....			1. Blake (D. E.) 2. Fitzgerald (E.) 3. Wells (R. M.) <i>Scholars.</i>
Matriculation	1. Stanton (W. J.) 2. Benson (T. M.) <i>Scholars.</i>	Bowby (W. H.) <i>Scholar.</i>	1. Huggard (J. T.) 2. Bayly (R.) <i>Scholars.</i>
1856. 2nd Year . . .		Fitzgerald (E.) <i>Scholar.</i>	
1st Year.....	Benson (T. M.) <i>Scholar.</i>		1. English (C. E.) 2. Bayly (R.) <i>Scholars.</i>
Matriculation			Crombie (M. M.) <i>Scholar.</i>
		<i>Fourth Mode.</i>	
	1856. McCaughey (J.)		

SECTION XI.—LIBRARY, MUSEUMS, AND  
APPARATUS.

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## § 1.

## UNIVERSITY LIBRARY

(INCLUDING THE COLLEGE LIBRARY).

The Library contains a small but valuable collection of works in the different departments of science and literature. The number of volumes is about 10,000, and the selection has been made mainly with a view to their practical utility as books of reference.

The Library is open every day (excepting Sunday), from 10 to 3 o'clock, and the College Students are admissible.

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## § 2.

## UNIVERSITY MUSEUM OF NATURAL HISTORY

(INCLUDING THE COLLEGE MUSEUM).

This Museum contains in Mammalia above 60 specimens, affording examples of most of the orders, and including some rare and highly interesting species, besides skulls, horns, &c.

Of Birds there are about 800 species, including a very large proportion of the native birds and illustrations of most of the recognised tribes, besides eggs, and a few nests.

Of Reptiles there are about 70 species; and of Fishes there are about 100.

There are some good Crustacea, a few Arachnida, and an extensive and valuable series of insects illustrative of the received divisions, and including many rare and beautiful species.

Considerable progress has been made in forming a collection of Mollusca, and there are some good Echinodermata and Zoophyta.

In Botany many Plants have been collected together, especially native species, and their arrangement has been commenced.

The Museum is open every day (excepting Sunday) from 10 to 3 o'clock, and the College Students are admissible.

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§ 3.

UNIVERSITY MUSEUM OF MINERALOGY AND  
GEOLOGY.

This Museum has been but recently established. A considerable collection, however, has already been received from Europe, and this will be increased by numerous and valuable specimens collected in Canada by the Provincial geologists.

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§ 4.

APPARATUS ILLUSTRATIVE OF NATURAL  
PHILOSOPHY.

The number of Instruments, &c., is about 180; of these, 39 are illustrative of Statics, 14 of Dynamics, 50 of Hydro-

statics, 10 of Acoustics, 13 of Heat, 20 of Optics, 16 of Geodesy and Astronomy.

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## § 5.

APPARATUS ILLUSTRATIVE OF CHEMISTRY  
AND CHEMICAL PHYSICS.

The number of Chemical Products is about 1500, and of Minerals used in the Arts, &c., about 400. This collection includes also a large number of instruments and models illustrative of Electricity, Galvanism, Electro-Magnetism, Magneto-Electricity, Thermo-Electricity, Heat, Light, &c., Technology and Metallurgy, &c.

Considerable additions of apparatus and articles illustrative of manufactures will be made before the close of the year.

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SECTION XII.—MAGNETICAL AND METEORO-  
LOGICAL OBSERVATORY.

(a) "The first Observatory was erected by the Royal Engineers in 1840. It was built of logs, rough-cast, and plastered. In 1855 it was replaced by the present stone structure. The main building, constituting the new observatory, is a rectangular edifice about fifty-four feet from north to south in the direction of the magnetic meridian, forty-four feet from east to west, and sixteen feet in height, exclusive of the roof. At the north-west

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(a) Canada Educational Directory, p. 50.

corner, and included in the above horizontal dimensions, is a square tower, sixteen feet by sixteen feet, and forty-three feet in height, which is used for supporting the Anemometer. From the southern face of the main building and at right angles to it, extends a passage four and a-half feet wide; which communicates at its southern extremity with a room twenty by thirteen feet, appropriated to the observations for absolute magnetic intensity. On the east and west of the passage and communicating with it by a second transverse passage, are two small rooms, the former for observing transits, and the latter for observations of absolute declination. The three rooms just mentioned, with their connecting passages, form a cross seventy-two feet from north to south, seventy-three feet from east to west, and eight and a-half feet in height. The extreme length of the whole building is thus 126 feet, and its greatest width 73 feet. The smaller rooms and connecting passages were erected in the autumn of 1853, and were used for temporary offices during the demolition of the old building and the completion of the new one.

In the main building are placed the instruments used for observing the changes in the four magnetic elements. These instruments are as follows:

1. The Declinometer, for measuring the changes in the declination or variation of the magnet.
2. The Inclinator, for observing the changes in the inclination or dip.
3. The Bifilar, for observing the changes in the horizontal component of the magnetic force.



4. Loyd's Balance Magnetometer, for the changes in the vertical component.

In addition to the above instruments, the indications of which are read seven times each day, there are also magnetic instruments connected with photographic apparatus for recording continuously the changes in the declination, and the horizontal and vertical components of the magnetic force.

The absolute values of the magnetic elements are determined once in each month by a series of observations occupying five consecutive days. The observations for the dip are taken in a detached shed, and those for declination and intensity in the two rooms already mentioned as appropriated for those purposes.

Magnetism is one of the sciences whose progress the Observatory is designed to promote; Meteorology is the other.

The meteorological elements recorded are as follows:

1. The temperature of the air.
2. The total atmospheric pressure shown by the barometer.
3. The elastic force of aqueous vapor.
4. The relative humidity.
5. The temperature of the dew point.
6. The direction and velocity of the wind.

For observations of 1, 2, 3, 4, and 6, the ordinary hours are six A.M., eight A.M., two P.M., four P.M., ten P.M., and midnight. At these hours a record is also made of the general appearance of the sky, including the form, distri-

bution, and motion of the clouds. Observations for finding the dew point are made at three P. M. The direction and velocity of the wind are recorded not only at the observation hours but at every hour throughout the year, by Robinson's Anemometer. A register of the maximum and minimum temperatures of the air that occur during each day and the greatest intensity of solar and terrestrial radiation is made daily throughout the year.

In addition to the meteorological condition of each day a record is made of occasional phenomena, such as rain and snow, with its duration and amount, thunderstorms, auroras and miscellaneous events illustrative of the progress of the seasons.

The regular staff employed in the work of adjusting the instruments, making the magnetic and meteorological observations and reducing the results, consists at present of the Director, Professor Kingston, M.A., and three observers, Messrs. Walker, Menzies, and Stewart, formerly sergeants of the Royal Artillery."

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### SECTION XIII.—FEES.

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Undergraduates are admissible to the prescribed courses of Lectures without any Fee. The following is the scale adopted for Students and Occasional Students, for the Academic year:—

For all the courses.....	£4	0	0
For three courses .....	2	10	0
For 1 course of six or five Lectures in each week,	1	5	0
“ “ “ four or three in each week,	0	15	0
“ “ “ two or one in each week...	0	10	0

UNIVERSITY COLLEGE, TORONTO.

1856—1857.

*Visitor:*

HIS EXCELLENCY SIR EDMUND WALKER HEAD, BART., M.A.,  
Governor-General of British North America, &c., &c.

*\*President:*

REV. JOHN McCAUL, LL.D.

*\*Vice-President:*

(Vacant.)

*Professors, &c.:*

- |                                |   |  |
|--------------------------------|---|--|
| *REV. JOHN McCAUL, LL.D.       | { | <i>Professor of Classical Literature,<br/>Logic and Rhetoric.</i>            |
| *REV. JAMES BEAVEN, D.D.,      | { | <i>Professor of Metaphysics and Ethics.</i>                                  |
| *H. H. CROFT, D.C.L.,          | { | <i>Professor of Chemistry and Experimental Philosophy.</i>                   |
| *GEORGE BUCKLAND, Esq.,        | { | <i>Professor of Theory and Practice of Agriculture.</i>                      |
| *J. B. CHERRIMAN, M.A.         | { | <i>Professor of Natural Philosophy.</i>                                      |
| *DANIEL WILSON, LL.D.,         | { | <i>Professor of History and English Literature.</i>                          |
| *REV. WILLIAM HINCKES, F.L.S., | { | <i>Professor of Natural History.</i>   |
| *E. J. CHAPMAN, Esq.,          | { | <i>Professor of Mineralogy &amp; Geology.</i>                                |
| *JAMES FORNERI, LL.D.,         | { | <i>Professor of Modern Languages.</i>  |
| *G. T. KINGSTON, M.A.,         | { | <i>Professor of Meteorology, and Director of the Magnetical Observatory.</i> |
| J. M. HIRSCHFELDER, Esq.,      |   | <i>Lecturer on Oriental Literature.</i>                                      |
| REV. ARTHUR WICKSON, M.A.,     |   | <i>Classical Tutor.</i>  |

*Bursar:*

DAVID BUCHAN, Esq.

*Registrar:*

REV. ARTHUR WICKSON, M.A.

*Bookseller, Printer, and Stationer:*

MR. ROWSELL.

*Bedel and Steward:*

DANIEL ORRIS.

\* Members of the College Council.

## \*GRADUATES.

## M. A.

1850. Brown (J.)  
 " Marling (S. A.)  
 ♥ McKeown (J.)

## B. A.

1853. Adams (G.)  
 " Bayly (R.)  
 " Blake (D. E.)  
 " †Boulton (J. F.)  
 1856. Bowlby (W. H.)  
 1855. Cattinach (A.)  
 1854. †Crombie (E.)  
 1855. Crombie (M.)  
 1854. †English (C. E.)  
 1856. Hodgins (T.)  
 " Hume (R.)

## B. A.

1853. Jones (C.)  
 1855. Kingsmill (N.)  
 1853. †Lawrason (W. L.)  
 1850. Lister (B. P.)  
 1854. †Macgregor (C. J.)  
 1856. Matheson (R.)  
 " Matheson (T.)  
 1855. McNabb (A.)  
 1853. Oille (L. S.)  
 1855. Sanderson (Rev. J. E.)  
 " Tassie (W.)  
 1853. Thom (J.)  
 " Trew (N. McL.)  
 1856. Unsworth (R.)  
 1855. †Walker (N. O.)  
 1853. Wells (R. M.)

## UNDERGRADUATES.

- |                  |                |
|------------------|----------------|
| Appelbe (R. S.)  | McMurchy (A.)  |
| Barnhart (C. E.) | Mitchell (J.)  |
| Bates (N.)       | Monsarrat (N.) |
| Boyd (J. A.)     | Moss (T.)      |
| Brown (W.)       | ‡Oliver (W.)   |
| ‡Bull (T. H.)    | Paul (C. D.)   |
| ‡Burns (N.)      | Ratray (W. J.) |

\*This list includes only those who have been admitted to Degrees since 1853. Graduates of King's College or of the University of Toronto before that date, who desire to have their names placed on the boards of University College, are requested to signify their desire to the President.

† M.A., 1867. ‡ M.B., 1857. § B.A., 1857.

DeGrassi (G. P.)	Rock (W.)
‡Francis (W. S.)	Ross (D. W.)
Frazer (D.)	‡Ross (J.)
Frazer (J. T.)	Scott (W. H.)
Gillespie (A. S.)	Sinclair (W.)
Holcomb (J. H.)	‡Smith (J. F.)
Hume (H. H.)	Sullivan (R.)
‡Kennedy (G.)	Tassie (H.)
Kerr (W. H. C.)	Tisdell (F. B.)
‡McDermid (P.)	Wadsworth (J.)
McDougall (J. L.)	Waters (D.)
	Young (F. H.)

## STUDENTS.

Brown (J.)	McCuaig (F.)
Buckland (G. W.)	McEwan (J.)
Coulthard (W.)	McKinnon (N.)
Fenwick (T.)	Moffat (B. C.)
Fletcher (D. H.)	Ridout (J. B.)
Grierson (J. C.)	Rosebrugh (A. M.)
Hall (R.)	Smith (J.)
Irving (G.)	Weir (J.)
Leask (R.)	

## OCCASIONAL STUDENTS.

Bailey (W.)	Matheson (W.)
Baird (R.)	McColl (A.)
Brenner (G.)	McDonald (A.)
Brodie (J.)	McGwin (A.)
Brown (J. W.)	McIntyre (D. C.)
Bryning (J.)	McKay (A.)
Cameron (L.)	McKay (J.)

Campbell (J.)	McKay (W. M.)
Carr (D.)	McKillop (M.)
Cilley (L.)	McLean (D.)
Currie (A.)	McVicar (D.)
D'Evelyn (J.)	Millican (W.)
Denison (R. L.)	Mullen (J. A.)
Drake (W. H.)	Mullen (J. T.)
Eadie (J.)	Niven (Alex.)
Ellis (W. H.)	Ogden (U.)
Ferrier (D. W.)	Ogden (W. W.)
Flock (J. R.)	Oliver (J. J.)
Foster (E.)	Paterson (N.)
Frazer (A.)	Pipe (W.)
Gowans (W.)	Pritchard (F. W.)
Graham (E.)	Quarry (W. B.)
Greenfield (J.)	Reeve (J.)
Hamilton (A.)	Robertson (J.)
Hamilton (J.)	Robertson (C.)
Hancy (H.)	Rogers (W. S.)
Hauran (J.)	Roy (F.)
Hay (B.)	Savage (W.)
Howells (A.)	Scott (A.)
Hurd (J.)	Smith (H. G.)
Johnson (J.)	Stevenson (T. D.)
Kean (J.)	Stewart (A.)
Keating (T.)	Tilt (W.)
Kellagh (T.)	Walden (J. W.)
Langstaff (L.)	Wallace (J.)
Marlatt (J. P.)	Wards (J.)

SUBJECTS FOR PRIZE COMPOSITIONS, 1857.

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GREEK VERSE.

(Trag. Iamb. trim. acat.)

*Subject*—Shakespear, King Lear, Act IV., Sc. 7, from  
“O thou good” to “old and foolish.”

LATIN VERSE.

*Subject*—“Non omnis moriar.”

ENGLISH VERSE.

*Subject*—“The Emigrant.”

“Oh! why left I my home;  
Why did I cross the deep;  
Why did I leave the land,  
Where my forefathers sleep?”

ENGLISH PROSE.

*Subject*—“The influence of the discovery of the New  
World on the Old.”

FRENCH PROSE.

*Subject*—“The Normans in Italy.”

The Compositions (with fictitious signatures) are to be  
transmitted to the President on or before September 24th.

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## INDEX.

	Page		Page
Agriculture .....	33	Ethics.....	18
Almanac.....	4, 5	Ethnology .....	19
Apparatus.....	60, 61	Examinations.....	38
Arabic.....	24	Fees .....	64
Archaeology .....	17	French .....	21
Bedel .....	65	Geography.....	9, 31
Bookseller .....	65	Geology .....	31
Botany .....	30	German .....	21
Bursar.....	65	Graduates .....	66
Certificates of Attendance, 10		Greek .....	15
Honor .....	39	Hebrew .....	23
Chaldee .....	23	History .....	19
Chemistry .....	26	Honors .....	39, 50
Chronology .....	17	Italian.....	22
Compositions .....	69	Latin .....	15
Corporation .....	3	Lecturer.....	65
Council .....	65	Lectures.....	36
Course of Study:		Library .....	59
Agriculture .....	14	Logic .....	16
Arts.....	10	Mathematics .....	24
Civil Engineering .....	13	Medals.....	48, 50
Degree of B.A. ....	12	Metaphysics .....	18
Diplomas.....	13, 14	Meteorology .....	25
Director .....	64	Mineralogy.....	32
Engineering .....	13	Museums .....	59
English .....	19		

## INDEX.

	Page		Page
Natural History .....	29	Samaritan .....	24
Natural Philosophy .....	24	Scholarships .....	46, 51
Observatory .....	61	Spanish .....	22
Observers .....	64	Students.....	8, 67
Prayers .....	37	Syriac.....	24
President .....	65	Technology .....	61
Printer .....	65	Terms .....	10
Prizes .....	39, 54	Tutor .....	15
Professors .....	65	Undergraduates .....	8, 66
Registrar .....	65	Visitor .....	65
Religious Knowledge .....	15	Year .....	10
Residence .....	9	Zoology .....	30
Rhetoric .....	16		