

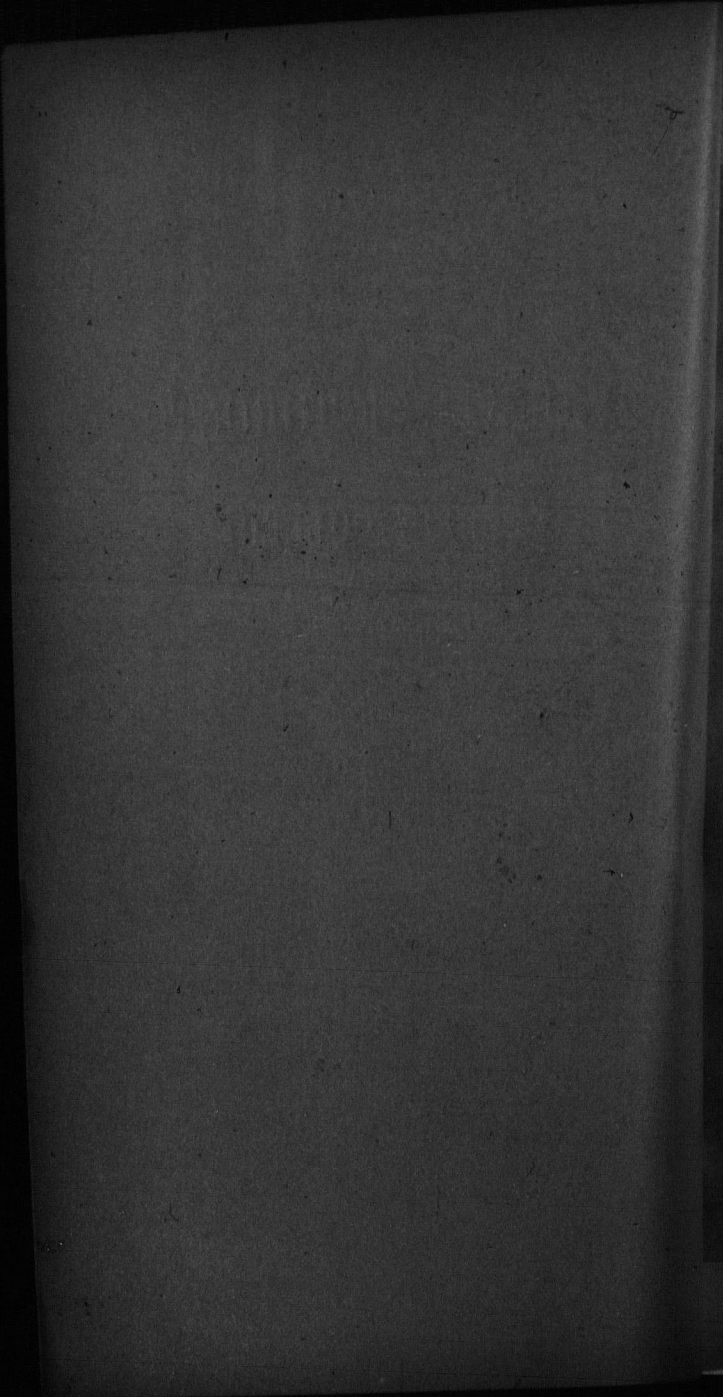
EXTRACTS  
FROM THE  
CALENDAR  
OF THE  
UNIVERSITY OF TORONTO  
AND  
UNIVERSITY COLLEGE  
FOR THE YEAR  
1896-97.



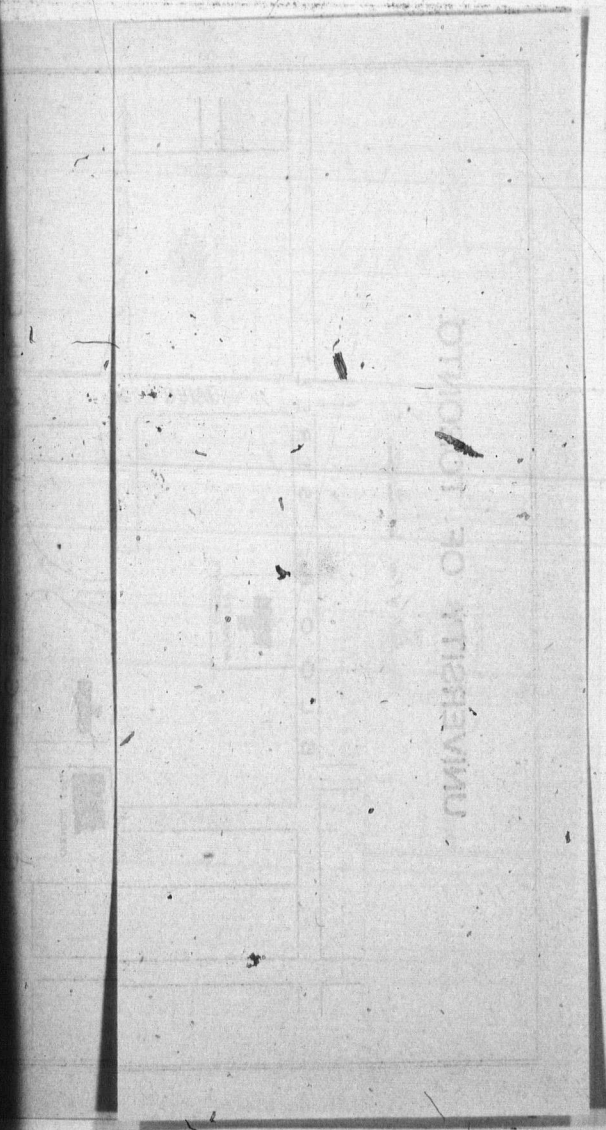
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TORONTO:  
ROWSSELL & HUTCHISON PRINTERS.

1896.

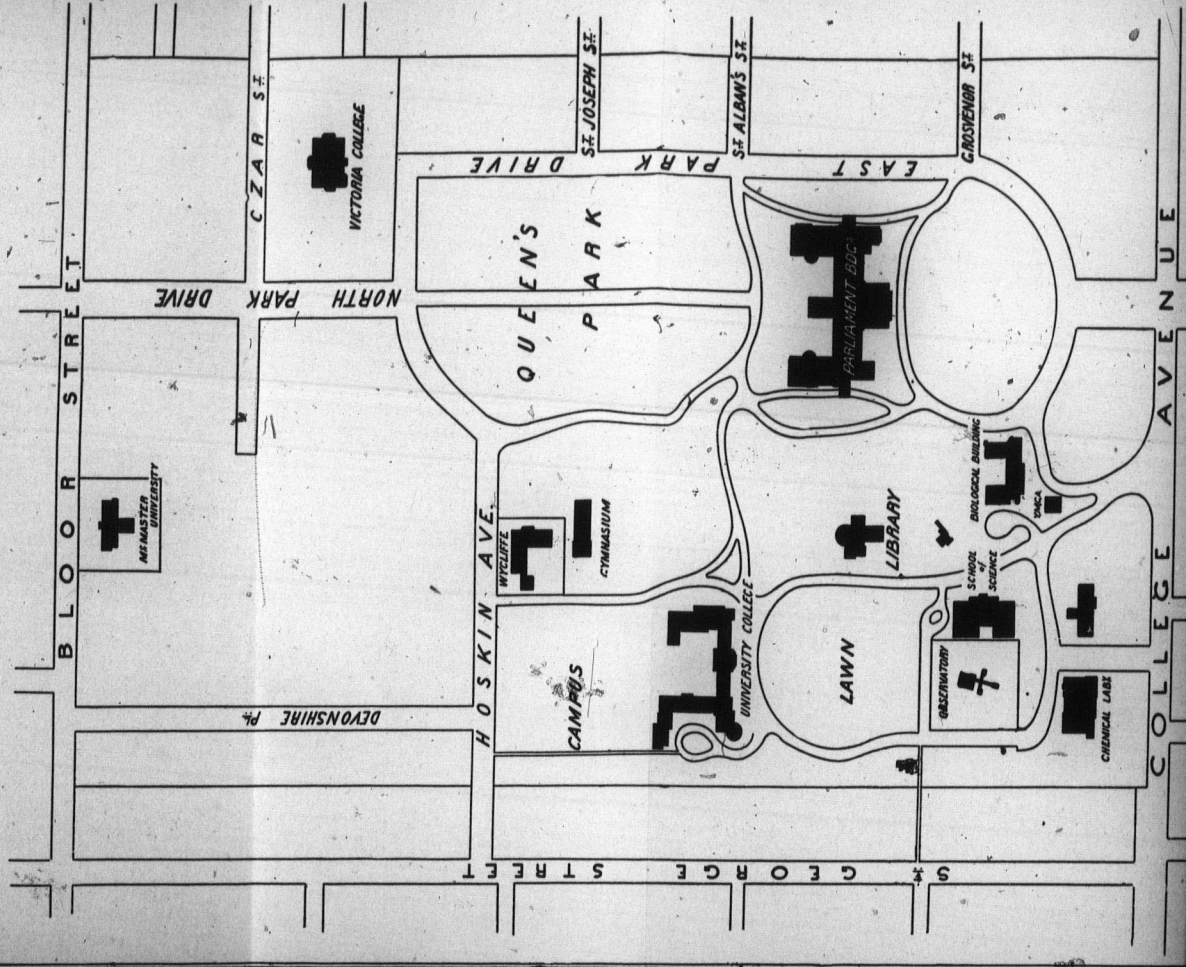


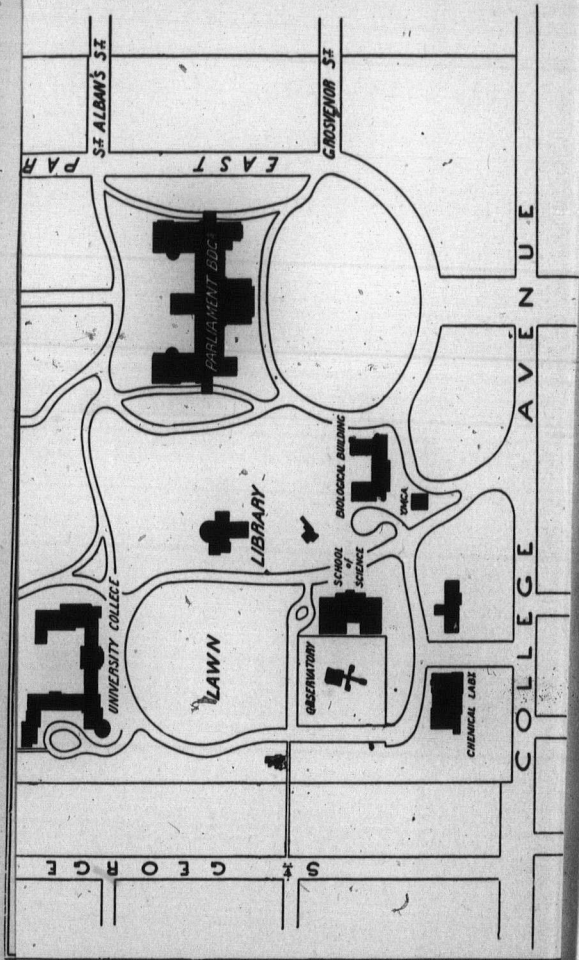
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# UNIVERSITY OF TORONTO.

Scale of Feet



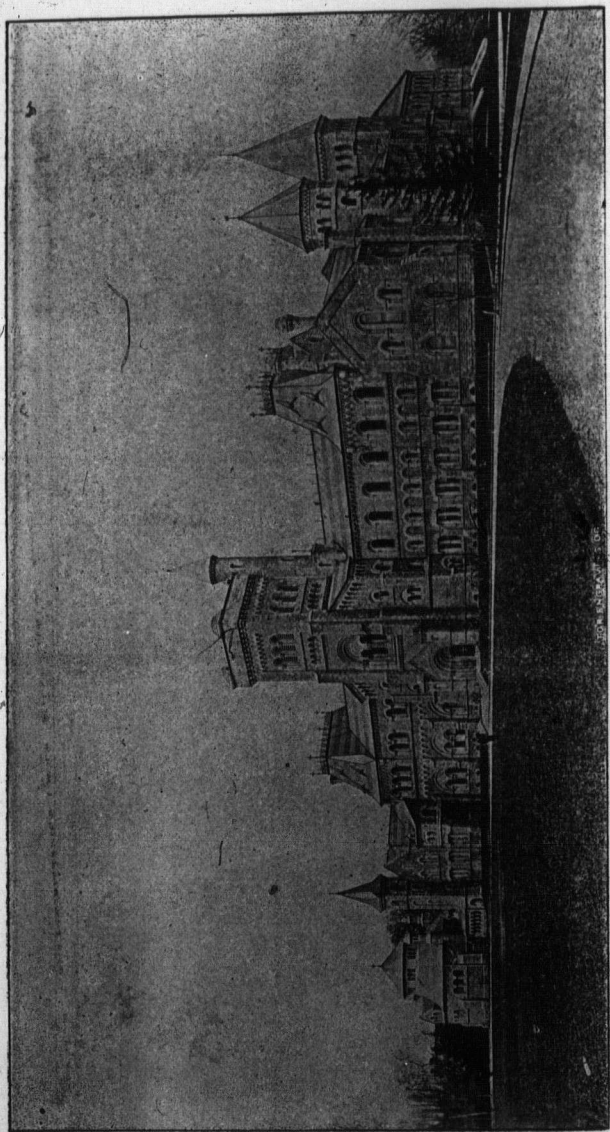


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COLLEGE AVENUE

CRENSHAW



Main Building.

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EXTRACTS  
FROM THE  
CALENDAR  
OF THE  
UNIVERSITY OF TORONTO  
AND  
UNIVERSITY COLLEGE  
FOR THE YEAR

1896-97.



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TORONTO:  
ROWSSELL & HUTCHISON PRINTERS.

1896.





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CALENDAR-1896												1897											
JANUARY.						JULY.						JANUARY.											
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## CALENDAR, 1896-97.

Meetings of the University Council are held on the last Tuesday of September, and on the first Tuesday of other months. Meetings of the University College Council are held on the fourth Friday of September, and on the first Friday of other months. Meetings of the Senate are held on the second Friday of each month, and meetings of the Medical Faculty on the first Friday of each month from October to May, inclusive.

- 1896—Sept. 15—Supplemental Examinations in all Faculties begin.  
 Oct. 1—Academic year begins.  
           Registration of Students in Arts by the Registrar ; and in  
           Medicine by the Secretary of the Medical Faculty ;  
           enrolment in classes by the various Professors.  
 Oct. 2—Lectures in Arts and Medicine begin.  
 Dec. 18—Michaelmas Term ends.  
 Dec. 25—University Buildings closed.  
 1897—Jan. 1—University Buildings closed.  
 Jan. 4—Easter Term begins.  
           Lectures in Arts and Medicine begin.  
 March 3—University Buildings closed.  
 March 19—Lectures in Medicine end.  
 March 23—Annual Examinations in Dentistry begin.  
 March 30—Annual Examinations in Medicine begin.  
 April 12—Annual Meeting of Medical Faculty.  
 April 16—University Buildings closed.  
 April 17—Examinations in School of Practical Science begin.  
 April 16—Lectures in Arts end.  
 April 22—Annual Examinations in Law begin.  
 May 1—Annual Examinations in Arts begin.  
           Last day for presentation of M. A. Theses.  
 May 3—Annual Examinations in Agriculture begin.  
 May 11—Annual Examinations in Applied Science begin.  
 May 14—Annual Examinations in Music begin.  
 May 24—University Buildings closed.  
 June 1—Applications for Fellowships.  
 June 9—Senior Matriculation Examinations in Arts begin.  
 June 11—University Commencement.  
 July 1—University Buildings closed.

N. B.—Candidates are required to give notice to the Registrar of intention to present themselves at the annual examinations in Arts at least six weeks before the commencement of the examinations. At the examination for Matriculation Scholarships similar notice must be given on or before the 24th May, and at any other University examination at least three weeks before the commencement of the examination.

Time Table of Lectures in Arts.  
First Year

	Monday	Tuesday	Wednesday	Thursday	Friday
9	Biology, *Elementary Analytical Geometry.	Mathematics E. Euclid. English.	*Biology. Mathematics E. Trigon. *Greek.	Mathematics E. Algeb. Latin A. B. C.	Biology. Mathematics E. Trig- onometry.
10	Mathe. } B. Algebra. } D. Trigonom.	Physics. Chem. (C. M., P. C.)	Mathe. } A. B. } C. D. Euclid.	Physics.	Mathe. } D. Algebra. } B. Trigonom.
11	Latin Prose. A. B. C. *Greek.	Mathe. } A. Algebra. } C. Trigonom.	*Greek Prose. *Latin (b). *Chemistry.	Mathe. } C. Algebra. } A. Trigonom. *Classics. *Spanish. *Chemistry.	English.
12	*Mathematics. **Elem. Physics (a). Ancient History.	*Mathematics. *Italian. Greek.	**Elem. Physics (a). Latin (b) A. B. C.	*Mathematics. *Italian. *Latin.	**Elem. Physics (a). *Phonetics. *Latin Prose.
1		Prac. Chem. (Med.)			
2	French A. B. *Prac. Phys. (P. C., C. M.)	*Practical Biology. *French. Prac. Ch. (Med.) *Prac. Ch. (C. M., P. C.)	French B. C. *German.	*French. *Practical Biology. *Prac. Ch. (C. M., P. C.)	French A. C. Prac. Phys. (N. Sc.)
3	*German. German A. B. *Prac. Phys. (P. C., C. M.)	*Practical Biology. Hebrew. Prac. Ch. (Med.) *Prac. Ch. (C. M., P. C.)	German B. C. *French. —	*Practical Biology. P. C. *Prac. Ch. (C. M., P. C.) *German.	German A. C. Prac. Phys. (N. Sc.)
4	*Prac. Phys. (P. C., C. M.)	Prac. Ch. (Med.) *Prac. Ch. (C. M., P. C.)	*English.	*Prac. Ch. (C. M., P. C.)	Hebrew. Prac. Phys. (N. Sc.)
5					

Second Year.

9	French A. B. Physics (Electricity (a). Optics (b).)	German B. *English.	French A. B. *Logic. *Elem. Calculus.	English.	*Elementary Calculus. *Latin. *French. German B. Physics (Electricity (a).)
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Second Year.

9	<p><i>French A. B.</i>                      *Physics (Elect'y (a), Optics (b)).</p>	<p><i>German B.</i>                      *English.</p>	<p><i>French A. B.</i>                      *Logic.                      *Elem. Calculus.</p>	<p>English.</p>	<p>*Elementary Calculus.                      *Latin.                      *French.                      *German B.</p>
10	<p>Physics.                      *Italian.                      *Medieval History.                      *Greek.</p>	<p>*Medieval History.                      *Biology.                      *Latin (b).                      *Italian.</p>	<p>*Greek (a).                      *Latin (b).                      *Greek Prose.                      *Phys. Chem.</p>	<p>*Biology.                      *Latin A. B.                      *Phys. Chem.                      *Prac. Ch. (N. Sc.)</p>	<p>Physics (Elect'y (a), Optics (b)).                      *Greek.                      *Spanish.                      *Elementary Analytical Geom. and Calculus.</p>
11	<p>History.                      *English Const. History.                      *Phys. Chem.                      *Philosophy.</p>	<p>*Greek Prose.                      *Economics.                      *Chemistry.                      *Spanish.                      *Philosophy.                      *Geology.</p>	<p>Chemistry.                      Logic.</p>	<p>Chemistry.                      *Economics.                      *Spanish.                      *Prac. Ch. (N. Sc.)                      *Philosophy.                      *Geology.                      *Classics.</p>	<p>History.                      *Eng. Const. History.                      *Ph. Chem.                      *Psychology.</p>
12	<p>*Latin (b).                      *Mathematics.                      *Physiology (b).                      *Latin (a) A. B.</p>	<p>*Mathematics.                      *Psychology.</p>	<p>*Mathematics.                      *Physiology.                      *Greek.                      *Italian.</p>	<p>*Mathematics.                      *Psychology.                      *Prac. Ch. (N. Sc.)</p>	<p>*Latin Prose.                      *Mathematics.                      *Physiology (b).                      *Orientalis.                      *Latin Prose A. B.</p>
1			<p>Prac. Ch. (Med.)</p>		
2	<p>*Practical Biology.                      *Prac. Ch. (M. P.)</p>	<p>*Orientalis.                      *French.                      *Practical Mineralogy.</p>	<p>*Practical Biology.                      *Orientalis.                      *Prac. Ph. (P. C., C. M.)                      *Prac. Ch. (Med.)</p>	<p>*Prac. Ch. (N. Sc.)                      *French.                      *Hebrew.</p>	<p>*Practical Biology.                      *Prac. Ph. (N. Sc.)                      *Greek (b).</p>
3	<p>*Practical Biology.                      *Hebrew.                      *Prac. Ch. (M. P.)</p>	<p>*German.                      *Practical Mineralogy.</p>	<p>*Practical Biology.                      *Prac. Ph. (P. C., C. M.)                      *Prac. Ch. (Med.)</p>	<p>*German.                      *Prac. Ch. (N. Sc.)</p>	<p>*Practical Biology.                      *Prac. Ph. (N. Sc.)                      *German.</p>
4	<p>*Prac. Ch. (M. P.)</p>	<p>*Practical Mineralogy.                      *German A.</p>	<p><i>German A.</i>                      *Prac. Ph. (P. C., C. M.)                      *Prac. Ch. (Med.)</p>	<p>*Prac. Ch. (N. Sc.)</p>	<p>*Practical Biology.                      *Prac. Ph. (N. Sc.)</p>
5					



## Third Year.

9	*Practical Biology. *Ethics. *Latin Prose.	History. *Constitutional History.	*Latin. *Practical Biology. *Ethics.	*French. *French. *Greek. History of Philosophy.	*Practical Biology. *History.
10	*Practical Biology. *French. *History of Philosophy.	*Economics. *Latin. *Greek (b). *Prac. Chem. (N. Sc.)	*French. Practical Biology. *Physics. *Greek Prose. *Greek.	*Exp. Psych. (lect.) *Economics. *French. *Greek. *Classics.	*Practical Biology. *Economics. *Prac. Ch. *Ethics. (N. Sc.) *Ethics.
11	*Practical Biology. *German. *Physics. *Roman Law.	*German. *Exp. Psych. (lect.) *Roman Law. (N. Sc.)	*Biology. *Roman Law. *Latin. *German.	*German. *Exp. Psych. (prac.) *Roman Law. *Latin. *Phys. Chem. *German.	*French. *Biology. *Phys. Chem. *Prac. Chem. (N. Sc.) *Roman Law. *Classics. *German.
12	*English. *Practical Biology.	Constitutional History. *Geology. *Latin. *Exp. Psych. (prac.) *Prac. Chem. (N. Sc.)	*Geology or Mineralogy. *Physics. *English.	*Geology or Mineralogy. *Ethics. *Exp. Chem. *Ethics. *Greek. *English.	*Latin Prose. *Physics. *Org. Chem. *Prac. Chem. (N. Sc.) *Greek Prose. *Orientals.
1					
2	*Practical Biology. *Practical Physics. Constitutional History. *Orientals.	*Italian. *Hebrew. *Prac. Chem. (N. Sc.)	*Practical Physics *Practical Mineralogy. *Practical Biology. *History.	*Practical Geology. *Italian. *Orientals.	*Hebrew. *Prac. Chem. (N. Sc.) *History.
3	*Practical Biology. *Organic Chemistry. *English. *Practical Physics.	*Org. Chem. (N. Sc.) *Prac. Chem. (N. Sc.) *Spanish. *Orientals. *Constitutional Law.	*Practical Physics *Practical Mineralogy. *Constitutional Law.	*Practical Geology. *Spanish.	*Prac. Chem. (N. Sc.) *Organic Chemistry. *English. *Orientals.
4	*Practical Physics.	*Geology. *Physical Chemistry (b). *German. *Prac. Chem. (N. Sc.)	*Practical Physics. *Practical Mineralogy. *Practical Biology. *German.	*Practical Mineralogy. *Physical Chemistry (b).	*Prac. Chem. (N. Sc.)
5					

## Fourth Year.

9	*Physiological Chemis- try. *Mathematics. *History. *Latin Prose.	*Embryology and His- tology. *Latin. *Mathematics *History of Philosophy. *Orientals. *French.	*Physiological Chemis- try. *Mathematics *History. *German.	*Astronomy. *Mathematics. *History. *Ethics. *Exp. Psych. (N. Sc.)	*Mathematics. *English.
	*Physiological Chemis- try.	*Physiological Demon- stration.	*Physiological Chemis- try.	*Physics. *Historical Demon- stration.	*Latin. *Physics. *Embryology and His- tory.

Fourth Year.

9	<ul style="list-style-type: none"> <li>*Physiological Chemistry.</li> <li>*Mathematics.</li> <li>*History.</li> <li>*Latin Prose.</li> </ul>	<ul style="list-style-type: none"> <li>*Embryology and History.</li> <li>*Latin.</li> <li>*Mathematics.</li> <li>*History of Philosophy.</li> <li>*Oriental.</li> <li>*French.</li> </ul>	<ul style="list-style-type: none"> <li>*Physiological Chemistry.</li> <li>*Mathematics.</li> <li>*History of Philosophy.</li> <li>*German.</li> </ul>	<ul style="list-style-type: none"> <li>*Astronomy.</li> <li>*Mathematics.</li> <li>*History.</li> <li>*Ethics.</li> <li>*Exp. Psych. (N. Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>*Mathematics.</li> <li>*English.</li> </ul>
10	<ul style="list-style-type: none"> <li>*Physiological Chemistry.</li> <li>*Physics.</li> <li>*History of Philosophy.</li> <li>*Latin.</li> <li>*Phys. Chem.</li> <li>*English.</li> </ul>	<ul style="list-style-type: none"> <li>*Physiological Chemistry.</li> <li>*Physics.</li> <li>*Ethics.</li> <li>*French.</li> <li>*Greek (a).</li> </ul>	<ul style="list-style-type: none"> <li>*Physiological Chemistry.</li> <li>*Greek.</li> <li>*Ethics.</li> <li>*French.</li> <li>*Greek Prose.</li> </ul>	<ul style="list-style-type: none"> <li>*Phys. Psych. (N. Sc.)</li> <li>*Exp. Psych. (N. Sc.)</li> <li>*Prac. Chem. (N. Sc.)</li> <li>*Exp. Psych. (N. Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>*Latin.</li> <li>*Physics.</li> <li>*Embryology and History of Philosophy.</li> <li>*Italian.</li> <li>*Phys. Chem.</li> </ul>
11	<ul style="list-style-type: none"> <li>*Physiology.</li> <li>*English.</li> <li>*Exp. Psych. (N. Sc.)</li> <li>*Oriental.</li> <li>*Metaphysics.</li> <li>*German.</li> <li>*Hebrew.</li> <li>*Greek.</li> </ul>	<ul style="list-style-type: none"> <li>*Physiological Demonstration.</li> <li>*Physics.</li> <li>*Economics.</li> <li>*English.</li> <li>*German.</li> <li>*Latin.</li> <li>*Greek (b).</li> </ul>	<ul style="list-style-type: none"> <li>*Physiology.</li> <li>*Spanish.</li> <li>*Latin.</li> <li>*Classics.</li> <li>*Classics.</li> <li>*English.</li> <li>*Classics.</li> <li>*Greek (b).</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Physiological Demonstration.</li> <li>*Metaphysics.</li> <li>*English.</li> <li>*Prac. Chem. (N. Sc.)</li> <li>*German.</li> <li>*Classics.</li> <li>*Prac. Chem. (N. Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>*Classics.</li> <li>*Physiology.</li> <li>*Metaphysics.</li> <li>*French.</li> <li>*French.</li> <li>*Latin Prose.</li> <li>*Greek Prose.</li> <li>*Oriental.</li> </ul>
12	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> <li>*Italian.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> <li>*Oriental.</li> </ul>	<ul style="list-style-type: none"> <li>*Prac. Chem. (N. Sc.)</li> <li>*Assaying.</li> <li>*Greek (a).</li> </ul>	<ul style="list-style-type: none"> <li>*Latin Prose.</li> <li>*Greek Prose.</li> <li>*Oriental.</li> <li>*Assaying.</li> <li>*Greek (a).</li> </ul>
1	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Constitutional Law.</li> </ul>	<ul style="list-style-type: none"> <li>*Prac. Chem. (N. Sc.)</li> <li>*Economics.</li> <li>*Mineralogy or Geology.</li> <li>*Oriental.</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Assaying.</li> </ul>
2	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Economics.</li> <li>*Spanish.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Economics.</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Hebrew.</li> </ul>	<ul style="list-style-type: none"> <li>*Prac. Chem. (N. Sc.)</li> <li>*Economics.</li> <li>*Mineralogy or Geology.</li> <li>*Oriental.</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Assaying.</li> </ul>
3	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Spanish.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Economics.</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Hebrew.</li> </ul>	<ul style="list-style-type: none"> <li>*Prac. Chem. (N. Sc.)</li> <li>*Economics.</li> <li>*Mineralogy or Geology.</li> <li>*Oriental.</li> </ul>	<ul style="list-style-type: none"> <li>*Economics.</li> <li>*Assaying.</li> </ul>
4	<ul style="list-style-type: none"> <li>*Org. Chem.</li> </ul>	<ul style="list-style-type: none"> <li>*His. of Chem.</li> <li>*Mineralogy or Geology.</li> <li>*International Law.</li> </ul>	<ul style="list-style-type: none"> <li>*Constitutional History.</li> <li>*German.</li> </ul>	<ul style="list-style-type: none"> <li>*Mineralogy or Geology.</li> <li>*Prac. Chem. (N. Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>*Org. Chem.</li> <li>*Assaying.</li> </ul>
5					

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*W. M*  
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*Mathematics*  
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*French: J. &*  
*German: W*  
 PH.D.  
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*Oriental Lan*  
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*Minerology*  
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 REV.  
*History and*  
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*French and C*  
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*Medical Jurisprudence* : B. SPENCER, M.D.  
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*Chemistry* : W. L. MILLER, B.A., PH.D.  
*Physics* : J. C. McLENNAN, B.A.  
*Biology* : E. C. JEFFREY, B.A.  
*Physiology* : R. R. BENSLEY, B.A., M.B.

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*Mechanical and Electrical Engineering* : J. LANGTON, M.E.

**Applied Science.**

*Chemistry* : W. LAWSON, B.A.Sc.  
*Mineralogy and Geology, Metallurgy and Assaying* : W. E. BOUSTEAD, B.A.Sc.  
*Applied Electricity* : T. R. ROSEBRUGH, B.A.  
*Thermodynamics and Hydraulics* : W. MINTY, B.A.Sc.  
*Strength and Elasticity of Materials* : J. A. DUFF, B.A.  
*Mortars and Cements* : C. H. C. WRIGHT, B.A.Sc.

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*Anatomy* : F.  
*Chemistry* : C  
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Dental Mater*  
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*Prosthetic* : F  
*Practical* : W

*Pharmacy* : J  
*Chemistry* : G  
*Materia Med*  
*Botany* : A.

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*Chemistry (C)*  
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*English* : M.  
*Geology* : J. J  
*Dairying* : J.  
*Agriculture* :  
*Biology* : J. J  
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*School Organi*  
M.A.  
*Methods in E*  
*Methods in M*  
*Methods in S*

**Dentistry.**

- Physiology*: S. ZIMMERMAN, M.D., D.D.S., L.D.S.  
*Anatomy*: F. W. CANE, M.B.  
*Chemistry*: C. H. WALDRON, M.A., L.D.S.  
*Medicine and Surgery*: R. M. FISHER, M.D., C.M., L.D.S.  
*Dental Materia Medica*: D. CLARK, D.D.S., L.D.S.  
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*Practical*: W. E. WILLMOTT, D.D.S., L.D.S.

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*Chemistry*: G. CHAMBERS, B.A., M.B.  
*Materia Medica*: L. B. ASHTON, PHAR. B.  
*Botany*: A. Y. SCOTT, B.A., M.D., C.M.

**Agriculture.**

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*Chemistry (Organic and Animal)*: F. T. SHUTT, M.A.  
*Botany and Microscopy*: T. McCRAE, B.A., M.B.  
*English*: M. F. LIBBY, B.A.  
*Geology*: J. H. PANTON, M.A., F.G.S.  
*Dairying*: J. W. WHEATON, B.A.  
*Agriculture*: J. C. SNELL.  
*Biology*: J. McCRAE, B.A.  
*Entomology, Bacteriology and Plant Pathology*: T. C. HARRISON, B.S.A.  
*Physics*: J. B. REYNOLDS, B.A.

**Music.**

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*Science of Education, History of Education and Criticism of Educational Systems*:  
 J. WAUGH, B.A., B.P.ED.  
*School Organization and Management and Methods in Classics*: J. E. HODGSON,  
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*Methods in English, French and German*: F. H. SYKES, M.A., PH.D.  
*Methods in Mathematics*: A. C. MCKAY, B.A.  
*Methods in Science*: W. H. JENKINS, B.A.

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(3) Elected :	Representing :
HON. W. R. MEREDITH, LL.D. ....	<i>Graduates in Arts.</i>
A. BAKER, M.A. ....	" "
HON. A. R. DICKEY, B.A. ....	" "
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### Organization of the University.

The management of the finances and academic business of the University is entrusted to the Crown, the Board of Trustees, the Senate, Convocation, the University Council, and the Council of University College. The functions of these various bodies are defined in the following paragraphs:—

1. THE CROWN.—The supreme authority in all matters is vested in the Crown. The Lieutenant-Governor of Ontario is the Visitor of the University and of University College on behalf of the Crown, and his visitatorial powers may be exercised by commission under the Great Seal. All the property of these institutions is vested in the Crown, in trust, and is managed and administered by the Bursar, who is an officer of the

Crown. Annual appropriations are made on the authorization of the Lieutenant-Governor in Council. All expenditures of endowment are similarly authorized, subject to ratification by the Legislative Assembly. The Crown exercises also a veto power as to statutes of the Senate and enactments and regulations of the Councils. Appointments in the University and University College are made by the Crown after such examination, inquiry and report as are considered necessary.

2. THE BOARD OF TRUSTEES.—The Board of Trustees consists of ten members, viz., the Chancellor, the Vice-Chancellor, the President of University College, *ex officio*; five members elected by, but not necessarily members of, the Senate of the University of Toronto; and two members elected by, but not members of, the Council of University College. This board has general advisory powers with regard to the management and disposition of the endowments and income of the University and College, subject to the control of the Crown. In the discharge of its functions the Board makes recommendations regarding the investment of the funds, the leasing of University properties, the letting of contracts, and exercises a general superintendence over the University property as to insurance of buildings, etc.

3. THE SENATE.—The Senate consists of three classes of members: (1) *Ex officio* members; (2) Appointed members; and (3) Elected members. The *ex officio* members are the Minister of Education, the President of University College, the president or head of each federated university or college, the present Chancellor and Vice-Chancellor, and all past chancellors and vice-chancellors. The appointed members consist of three representatives from the Council of the University of Toronto, one from the Council of University College, one from the Law Society of Upper Canada, one from each federated or affiliated institution (subject, however, in the latter case to certain restrictions), and nine members appointed by the Lieutenant-Governor in Council. The elected members at present number twenty-five, and represent the

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The body when applicable, however, the representative absence thereof from among triennial di

The function of the business in the various degrees, so granting of degrees, and in cases not also require on the general has power teaching, a University

4. CONVOCATION graduates through its of the University Chancellor, members of Senate Any question by it, and a

graduates of the University of Toronto in Arts (twelve members), in Medicine (four members), in Law (two members), the graduates of the federated University of Victoria (five members), and the High School teachers of the Province (two members)—the graduates in Medicine and Law of Victoria University voting along with the graduates of the University of Toronto in the same faculties.

The body thus composed is renewed once in three years, when all except the *ex officio* members must retire, being eligible, however, for re-appointment or re-election. The chairman of the Senate is the Chancellor, who is the elected representative of the whole body of graduates, or in his absence the Vice-Chancellor, who is elected by the Senate from among its members at its inaugural meeting after the triennial dissolution.

The functions of the Senate regard the general management of the business of the University, the prescription of curricula in the various faculties and schools, the examinations for degrees, scholarships, prizes, and certificates of honor, the granting of degrees, the levying of fees for examination and degrees, and the promotion of the welfare of the University in cases not otherwise provided for by law. The Senate is also required to report annually to the Lieutenant-Governor on the general condition and progress of the University, and has power to inquire and report concerning the conduct, teaching, and efficiency of members of the Faculties of the University of Toronto and of University College.

4. CONVOCATION.—Convocation consists of the whole body of graduates of the University, in all faculties. Except indirectly through its elected representatives, no part of the management of the University is exercised by it as a whole. It elects the Chancellor, and, in divisions according to faculty, it elects members of Senate as its representatives in Arts, Medicine, and Law. Any question relating to University affairs may be discussed by it, and a vote taken. The result of such discussion is com-



municated to the Senate, which must consider the representation made, and return to Convocation its conclusion thereon.

5. **THE UNIVERSITY COUNCIL.**—This body consists of the President (who is also President of University College) and the Professors of the University in Arts, Medicine, and Law. The Council has full powers with reference to instruction in the University, the discipline of students and student societies or associations, and the control of officers and servants in connection with the work of instruction. Laboratory fees are also determined by the Lieutenant-Governor in Council on report of the University Council.

6. **THE COUNCIL OF UNIVERSITY COLLEGE.**—This body is composed of the President, the Professors in University College, and the Dean of the University College Residence for the time being. The Council of University College has authority over the students of University College, control of the servants, and power to regulate registration fees and fees for occasional students in University College subjects. Its functions are, however, more extensive than those of the corresponding governing body of the University of Toronto, notably as to its constitution as a corporation with a common seal, with power to hold property. All students in Arts are enrolled in University College, or in a federated University.

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**GENERAL INFORMATION FOR STUDENTS IN ARTS.**

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**Degrees.**

The degree of Bachelor of Arts is conferred on those persons who have completed the prescribed courses of study, and passed the required examinations. The courses of study extend over a period of four years, and are divided into General and Honor courses. A corresponding distinction is made in the degree conferred. Attendance on lectures is compulsory, unless a dispensation is granted owing to special circumstances. The degree of Master of Arts is conferred on Bachelors of Arts of at least one year's standing, on the presentation of an approved thesis in one of the departments of study in Arts. Provision is also made for admission *ad eundem gradum* in the case of both degrees. The curriculum of study prescribed for the degree of Bachelor of Arts will be found on pp. 64-105. For further details, see also pp. 106-131.

**Entrance.**

Candidates for the degree of Bachelor of Arts may enter this Faculty either by Junior Matriculation or Senior Matriculation (the examination of the First year.) The certificate of the Department of Education is accepted *pro tanto* at both of these examinations. The subjects of Latin; English; History; Mathematics; French *or* German; and either (1) Greek *or* (2) the second Modern Language with Physical Science (Physics and Chemistry), are required of all candidates at Junior Matriculation. The subjects of English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Ancient History; Mathematics; and Physics *or* Biology are required of all candidates at Senior matriculation. Additional work in the various subjects is prescribed for honor standing

The ordinary Junior Matriculation examination is held in July, and applications must be sent to the Education Department before 24th May. The ordinary Senior Matriculation is held in May, Supplemental examinations for both Junior and Senior Matriculation are held in September, and a Supplemental examination for Senior Matriculation in June, applications for such examinations being sent to the Registrar of the University of Toronto. A fee of seven dollars must accompany all applications for the Junior Matriculation examination (two dollars for Part I. and five dollars for Part II.), and of ten dollars for Senior Matriculation or Supplemental examination. Provision is also made for admission *ad eundem statum*, the fee being eight dollars. For details see p. 57.

#### **Examinations.**

In addition to the Matriculation examination mentioned above, candidates proceeding to the degree of Bachelor of Arts are required to pass an annual examination, held in the month of May, in all the subjects of their course of study. In the First and Second years a report is required from the professor or lecturer in all subjects of the General course, except Chemistry, Natural Science, and Physics, based upon the attendance of candidates and their proficiency during the year. This report is incorporated with the results of the May examination, of which it constitutes an essential part. Candidates for honors in Physics, Chemistry, Biology, Mineralogy and Geology, and Psychology, before proceeding to the annual examination, must present a certificate of having attained honor standing in the practical work of the subject during the year. For details see pp. 58-63.

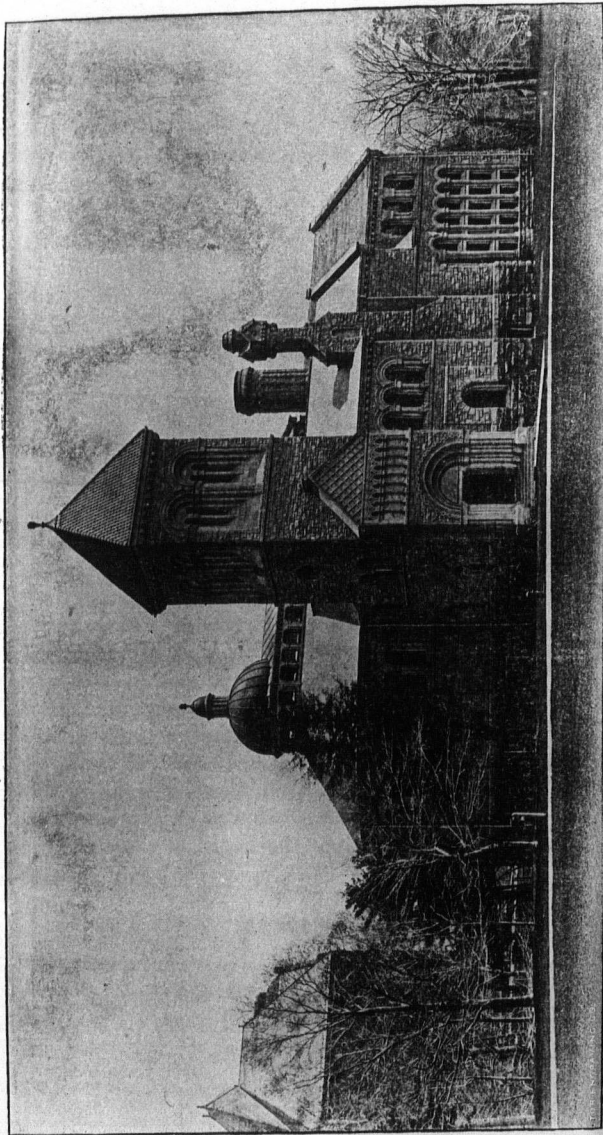
#### **Instruction.**

Instruction is given in the various subjects of the Arts course by the Arts Faculty of the University of Toronto, the Faculty of University College, and the Arts Faculty of Victoria University. In the division of the work of instruction

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between these faculties the subjects are assigned as follows :—  
 To the Faculty of the University of Toronto: Mathematics, Physics, Mineralogy and Geology, Biology, Chemistry, History of Philosophy, Logic and Metaphysics, Comparative Philology, Italian and Spanish, Modern History, Political Economy and Constitutional History, Constitutional and International Law, Roman Law, General Jurisprudence, and History of English Law; and to the Faculty of University College, as also to that of Victoria University: Latin, Greek, Ancient History, English, French, German, Oriental Literature, Ethics. Instruction in certain options allowed to theological students of federated institutions is given in Victoria University, Knox College, and Wycliffe College. St. Michael's College also co-operates with the University in the work of instruction in Modern History and Philosophy.

#### Discipline.

All students attending courses of instruction in the University of Toronto or University College are responsible to the Councils for proper and orderly conduct within the University class-rooms, buildings, and grounds. The Councils have authority to impose fines, to levy assessments for damages done to property, to inflict at their discretion the penalties of suspension or expulsion, and to use all other appropriate means of discipline. For the regulations relating to the College Residence, see Appendix.

#### Religious Worship.

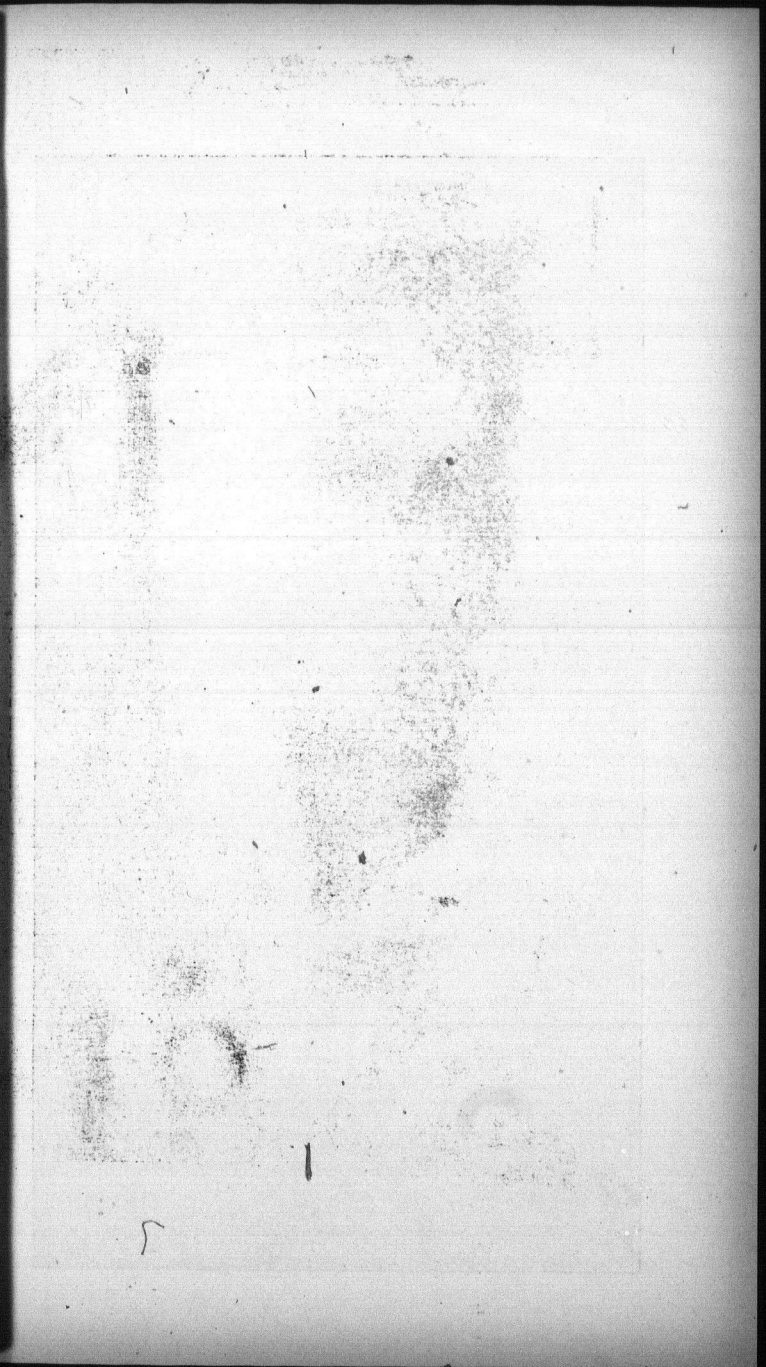
Prayers are offered daily at 10 a.m. Attendance is not compulsory, but all those who have no conscientious scruples are expected to be present. Under similar regulations in the University College Residence prayers are offered at 8.10 a.m., and at 6.30 p.m.

#### The Library.

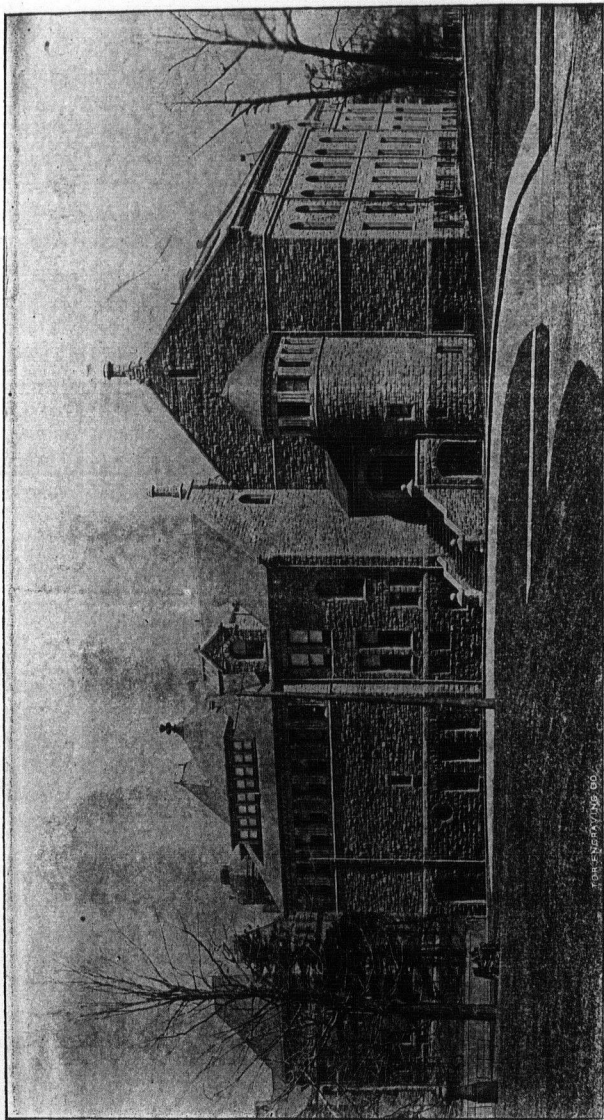
The University Library occupies a separate building erected almost wholly by private benefaction, and completed in 1892. It contains, besides a fire-proof book-room with a storage

capacity of 120,000 volumes, a reading-room capable of seating upwards of 200 readers, a periodical-room, several seminary-rooms, offices, cloak-rooms, and conversation-rooms. The building is heated by steam throughout, thoroughly ventilated, and supplied with electric light. The Library contains at present about 60,000 volumes, together with upwards of 6,000 unbound pamphlets. It is provided, as far as the income permits, with the standard and current literature of all subjects taught in the University. In the departments of the Natural and Physical Sciences it contains collections of the principal journals and transactions of the leading societies of Europe and America. In the departments of Language and Literature, the works of all authors of primary or secondary importance from the origins of the language to the present time are available, as well as the principal philological and literary journals. Corresponding facilities are provided in the departments of Philosophy, History and Political Science. The Library is a circulating one for members of the Faculty, and a library of reference for students. The latter, however, are allowed under certain conditions, the use of books at home outside of library hours, and students engaged in special work, requiring the consultation of books of reference, are allowed access to the stack-room by the Librarian on the recommendation of the professors. The seminary-rooms are in charge of the professors in each department, and contain special reference collections of books. These rooms are used for the instruction of advanced students, who may at the discretion of their professors use the rooms and the books contained in them for their private study. The conversation-rooms, situated in the basement, are intended for the use of students who wish to withdraw for the purpose of discussion or combined study, to avoid disturbance of the reading-room proper, where absolute quiet must be observed. Besides the general Library, there is also a special biological library, situated in the Biological Building, and containing all the biological texts commonly used by the students and staff in the practical work of the biological laboratories.

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### Laboratories.

The Physical Laboratory, established in 1878, is situated in the Western part of the main University Building, and consists of a set of rooms for elementary work, together with a number of special laboratories. The apparatus in the former is suitable for preliminary exercises in reading and constructing scales, and for the simpler experiments in Mechanics, Geometrical Optics, Heat, Sound, and Electricity. The special laboratories are equipped for the use of advanced Arts students taking the honor course in Physics, and for senior students in Engineering. The collection of apparatus includes balances by Collot and Ertling, cathetometer and dividing engine by Dumoulin-Froment, comparator by Troughton and Sims, clock by Dent, chronograph and clock-fork by Koenig, exhaustion and compression pumps by Bianchi, Golaz, Alvergnyat, and Carré. In the Heat Laboratory the collection includes the Golaz apparatus designed to repeat the classical experiments of Regnault. The equipment of the Acoustical Laboratory is exceptionally complete, and includes all the more important instruments constructed by Koenig, amongst them being the large forks with which his original experiments on beats were made. The Optical Room is provided with heliostat by Duboscq, Jamin's universal circle with accessories by Lutz, Gouy's spectroscope by Lutz, optical bench for diffraction and interference experiments by Lutz, Norremberg's polariscope, microscopes by Natchet and Zeiss, etc. The Electrical Laboratory is furnished with electrometers, galvanometers, resistance coils, magnetometer, dip-circle, voltmeters, ammeters, etc., for the most part constructed by Carpentier of Paris. The Laboratory is also well equipped for photographic work and for the ordinary operations of glass-blowing. In connection with the Laboratory is a well equipped workshop in charge of a skilled mechanic who makes the necessary repairs, and constructs many of the new instruments added to the collection. Special arrangements may be made by graduate students for pursuing original investigations in the Laboratory.

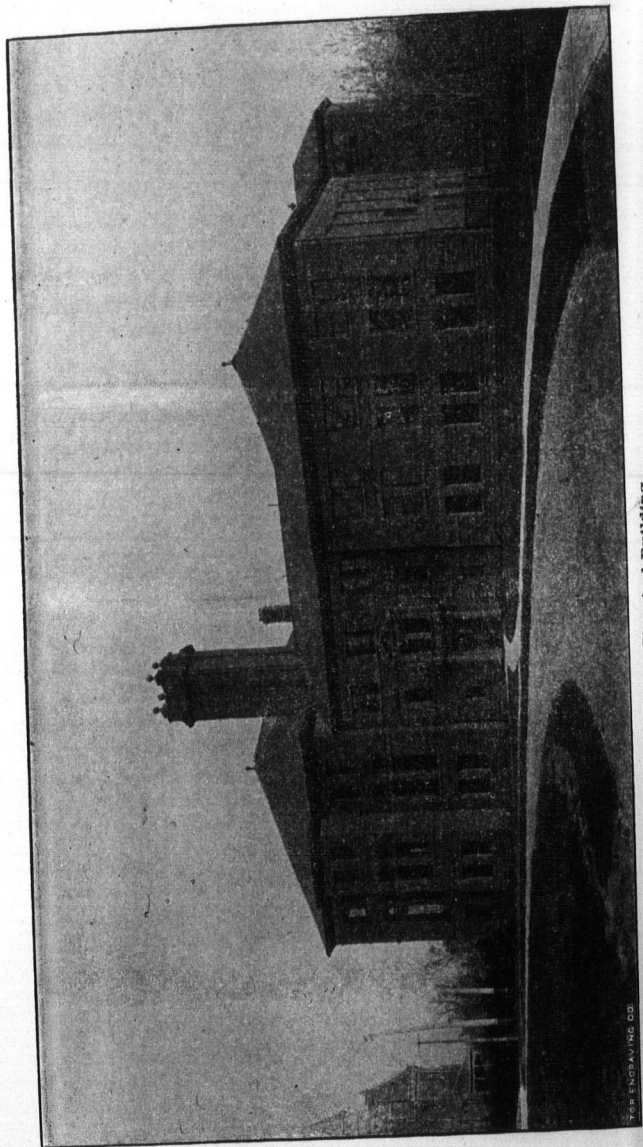
The Psychological Laboratory, which was established in 1892, is situated in the west wing of the main University Building, in close proximity to the Physical Laboratory, the apparatus of which is available for some of the work in Psychology. The Laboratory is well equipped for experiments in Psychophysics and for the investigation of the time and space relations of mental phenomena, having recently been considerably extended, both with regard to accommodation and apparatus. There is in connection with the Laboratory a small library containing the periodicals and the special literature of Experimental Psychology. Every facility is afforded to graduates for original research, especially in Physiological Optics and Acoustics.

The Biological Building contains laboratories both for general and special work. On the ground floor are laboratories for Physiology and Physiological Chemistry. On the first floor there are, in addition to the large laboratory for general purposes, laboratories for Morphology, Bacteriology, Physiological Botany, a photographic room, and a store-room for chemical re-agents. The large laboratory mentioned above is used for the practical instruction of students of the First and Second years in Arts and Medicine. The Morphological Laboratory for students of the Third year has accommodation for twenty-two students, while for students of the Fourth year accommodation is furnished in the two large laboratories of the ground floor, one of which, specially designed for Physiology, is at present used also for morphological work, and the other fitted up for practical instruction in Physiological Chemistry. The Morphological Laboratories are provided with microscopes and all apparatus used by the students in morphological work, and they contain, stored in glass cases, a large number of models and museum preparations for the illustration of animal and vegetable Morphology. The Bacteriological Laboratory is provided with apparatus to illustrate the Biology of Bacteria. The Physiological Laboratory is provided with a fairly complete outfit of apparatus for demonstrations in Physiology. This apparatus is used for illustrating the lectures in Physiology

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delivered to the students of the First and Second years in Arts and Medicine, but is also employed by students in advanced Physiology (of the Fourth year Arts) in repeating for themselves all the important experiments dealt with in the advanced lectures on the subject. The apparatus for lecture purposes includes a projection microscope by Zeiss for electric light. The photographic room in connection with the laboratories is supplied with all the apparatus used in photography as applied to the various kinds of biological work.

The new Chemical Building was completed in 1895. It contains, in addition to two lecture-rooms with accommodation for 300 and 100 students respectively, special laboratories for qualitative analysis, quantitative analysis, organic preparations, physical chemistry, gas analysis, combustion and furnace operations, and for the prosecution of original investigation. The total number of working places in these laboratories exceeds 200.

The Laboratory for Mineralogy and Geology is accommodated temporarily in the west wing of the Biological Building. Assay-furnaces and other appliances for the practical work of the Department are provided.

### Museums.

The Biological Museum forms the central portion of the buildings occupied by the Biological Department, and consists of four large well-lighted rooms with northern and southern aspect. The collections from the old museum, especially the specimens and models of the highest educational value, are in great part intact, and are now transferred to the new museum. They have been supplemented by purchases and by donations from various sources which have very largely increased the facilities of the Museum for the purposes of instruction. The cases in which the collections are arranged are dust, light and moth proof, and have been in large part adapted from the plans of those of the Dresden Museum. The upper portions of the cases contain the objects commonly used in the course of

instruction, each object being accompanied with an explanatory card. These objects are so arranged in the cases, and so well lighted, that all their characteristics may be easily noted. The equipment of the Museum for teaching purposes, as far as Animal Morphology is concerned, is gradually being improved. The collection of minerals recently purchased from Mr. F. W. Ferrier, of the Geological Survey, is also displayed in this museum, distributed in forty cases very advantageously arranged for study.

The Ethnological Museum is situated in the second story of the main University Building. It contains that part of the ethnological collection which was saved from the fire of 1890, together with the additions which have been made since that time. There is a fair collection of skulls, including ancient Egyptian and Roman skulls and models of the Neanderthal, Cro-Magnon, and other famous skulls. There are also interesting palæolithic implements from the English and French Drift, and the beginning of a good collection of stone implements from various parts of Canada. As the aborigines of this country are rapidly disappearing, it becomes increasingly important to preserve as many objects as possible illustrating their ethnological characteristics. Many friends of the University are in a position to contribute to the ethnological collection, and it is hoped that they will do what they can to aid in its completion.

#### Public Lectures.

In addition to the regular courses of instruction, a number of public lectures on special subjects of interest are delivered annually under the auspices of the University, on Saturday afternoons, by members of the Faculty and others whose services are given voluntarily in this work. The lectures cover a large variety of topics, and those delivered hitherto have been numerous attended by the public as well as by the students of the University. For the list of subjects and lectures during 1895-96, see Appendix.

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### Scholarships, Prizes and Medals.

A large number of scholarships are awarded upon the result of competitive examinations, both in the University of Toronto and in University College. Through the generosity of the Chancellor, Mr. Edward Blake, and others, twenty-nine scholarships are offered annually at Matriculation for proficiency in the subjects of the examination on the whole, and also for proficiency in one or more branches of learning. In nearly all cases these scholarships include free tuition throughout the undergraduate course, being made dependent, however, upon the maintenance of a certain standard of scholarship by the winner after matriculation. With the exception of one scholarship with special conditions, they range in value from \$105 to \$230. In addition to the above, various undergraduate scholarships are offered for competition in Classics, Modern Languages, Mathematics, Physics, Philosophy, Natural Science, Chemistry and Mineralogy, and Political Science. These scholarships range in value from \$50 to \$75, and are tenable for one year. A scholarship of \$60 in Political Economy, and one of £150 sterling in some other department of Physical Science, are offered for post-graduate competition, the former annually, and the latter every second year. Prizes in books are offered in Classics, English, French, Chemistry, and Mineralogy and Geology. Medals are also awarded in Classics, Modern Languages, Natural Science, in the work of the General Course, and in certain of the Honor departments with English. For details, see pp. 46-54.

### Fellowships.

For the encouragement of special post-graduate study, fellowships are offered in Mathematics, Chemistry, Biology, Mineralogy and Geology, and Political Science. They are of the value of \$500, and are open to graduates of the University only. The Fellows are appointed annually, and are eligible for re-appointment for a period not exceeding three years in all.



They are required to assist in the teaching, and to devote their entire time during the session to the work of the department in which the appointment is held. For details, see p. 54.

### **Student Societies.**

Various societies and associations, both of young men and of young women, have been organized for the promotion of Christian effort, social intercourse, literary and scientific activity. The Young Men's Christian Association has a building especially devoted to its purposes, in which a devotional meeting is held every Thursday, and a public meeting every Sunday, at which latter addresses are delivered by prominent Christian workers. There is also a Young Women's Christian Association which meets weekly. The Literary and Scientific Society, whose membership is made up of male students, holds weekly meetings for discussion, the reading of essays, etc. This society furnishes a well-equipped reading-room for the use of students. The Women's Literary Society has similar aims and methods. Besides the above there are several associations for the encouragement of special branches of study. These are the Classical Association, the Modern Language Club, the Mathematical and Physical Society, the Natural Science Association, and the Political Science Club. A magazine, conducted by undergraduate societies of the University, and containing papers read before these societies, is published quarterly. Clubs have also been organized for the cultivation of musical talent and athletics. A paper devoted to literature and college news is published weekly, its staff consisting of representatives from various sections of the undergraduate body. For lists of officers of the various Societies, see Appendix, p. 33.

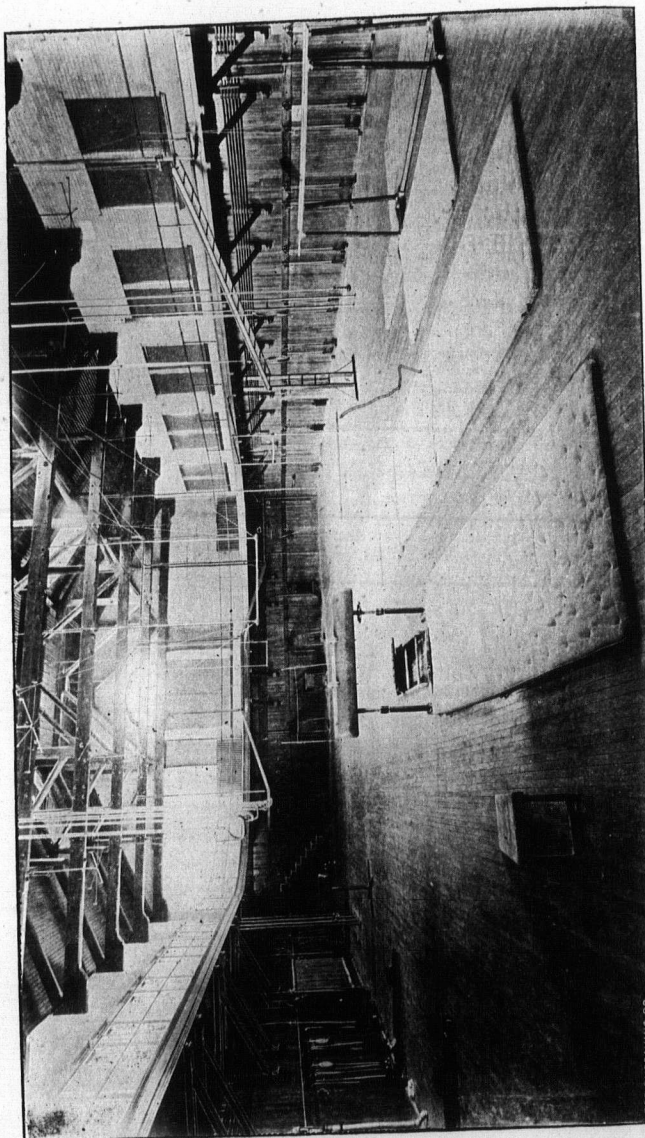
### **Gymnasium and Athletic Grounds.**

The University Gymnasium was completed and equipped in 1893. It is fully provided with the best and most modern appliances for physical culture, and contains a running-track, bowling-alleys, shower-baths and swimming-baths, besides

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### Lodging and Board.

There is in connection with University College a Residence which provides accommodation for about forty students. The Residence forms a wing of the main University Building, and is under the supervision of the Dean of Residence, to whom is entrusted, under the Council, the discipline of resident students. The fee payable for board, rent of room, etc., varies from three and three-quarters to four dollars and a-half per week. For rules and regulations respecting the Residence, see Appendix. Accommodation is also readily obtainable in numerous private boarding-houses within convenient distance of the University, at a cost of from three dollars upwards for comfortable lodging with board; or rooms may be rented at a cost of from one dollar per week upwards, and board obtained separately at reasonable rates. A list of accredited boarding-houses is kept by the Secretary of the University College Young Men's Christian Association, and students are recommended to consult him with reference to the selection of suitable accommodation.

### Regulations Relating to Students, Terms, and Examinations.

1. The regular students include undergraduates of the University, and matriculants, *i. e.*, students who, though they have not passed the prescribed matriculation examination, are taking the full undergraduate course.
2. Students entering University College are required to produce satisfactory certificates of moral character and previous good conduct.
3. No student will be enrolled in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Council to be prejudicial to the interests of the College.
4. Matriculated students are required to attend the courses of instruction and examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the College who persistently neglects academic work.
5. The certificate required for admission to the University examinations will not be granted to students who have been reported to the Council for not conforming to the College or University regulations, or for improper conduct of any kind.

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6. Matriculated students are required to reside, during the period of their attendance on lectures, in the College, or in houses selected by their parents or guardians, or approved by the President.

7. Men and women students, unless members of the same family, are not permitted to reside in the same lodging-houses.

8. Women students are under the supervision of the Lady Superintendent, whose directions as to conduct are to be observed.

9. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will forfeit the certificate required for admission to the University examinations, and will render himself liable to expulsion from the University.

10. A student who is under suspension, or who has been expelled from the College or University, will not be admitted to the University buildings or grounds.

11. The constitution of every College or University society or association of students and all amendments to any such constitution must be submitted for approval to the College or University Council. All programmes of such societies or associations must, before publication, receive the sanction of the Council. Permission to invite any person not a member of the Faculty of the University or University College to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

12. The name of the University or College is not to be used in connection with a publication of any kind without the permission of the University or College Council.

13. The Gymnasium and Athletic grounds are under the supervision of the President and a Joint Committee of the University and College Councils, who are authorized to make rules and regulations with regard to the use thereof.

14. Occasional students may be admitted to lectures on application to the President.

15. Certificates of attendance on lectures in any department during an academic year may be given to occasional students who have been regular in their attendance, and who have also passed the examinations in such department.

### FEEES.

N.B.—All fees, with the exception of those for Matriculation, are payable to the Bursar, at his office in the main University building, between the hours of ten and one o'clock.

#### I. UNIVERSITY FEES.

##### General.

The following fees are payable :—

For Junior Matriculation (Part I.)	Two Dollars.
For Junior Matriculation (Part II.)	Five “
For Senior Matriculation	Fifteen “
For each Supplemental examination	Ten “
For each examination after Matriculation	“ “
For change of Faculty	Five “
For admission <i>ad eundem statum</i>	Eight “
For the Degree of B.A.	Ten “
For the Degree of M.A.	Twenty “
For admission <i>ad eundem gradum</i> (B.A. or M.A.)	“ “
For admission to a higher year on the certificate of the Head of a federated College	Five “
For dispensation from attendance at lectures in a federated College	Five “
For certificates of Honor, each	One “

Matriculated undergraduates who are registered students of University College, or of any federated University, may attend lectures of University professors and lecturers in the Faculty of Arts without payment of fees, except those imposed for laboratory work; but such students must enter their names with the Registrar of the University.

##### Laboratory Fees.

“A course in laboratory work” means the continuous course of instruction in laboratory or practical work offered to the student in any one year in any of the undermentioned subjects, namely, Physics, Chemistry, Mineralogy and Geology, Psychology, Biology (including Physiology, Zoology, Botany, and Histology), and any other separate subject in which laboratory work is or may be prescribed.

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"A partial course of laboratory work" means a special course, or any sub-division, complete in itself, of a course of laboratory work as above defined.

"A matriculated student in Arts" means a student who is matriculated in the University of Toronto, and enrolled in University College or a federated University, and whose name is entered with the Registrar of the University of Toronto.

"An occasional student" includes every student in whose case the Senate of the University of Toronto is by law authorized to determine fees for courses of lectures in the University of Toronto.

Laboratory fees shall be divided into, (a) Fees for practical instruction in the laboratory, (b) Charges for supplies.

**Practical Instruction Fees.**

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work shall be based on the lecture fee prescribed for occasional students by the Senate statute, namely:

For each course of not more than 15 hours .....	\$2 00
" " " between 15 and 30 " .....	3 00
" " " " 30 " 50 " .....	5 00
" " " " 50 " 80 " .....	7 00
" " " more than 80 hours .....	8 00

The annual practical instruction fee for an occasional student attending a course, or partial course, of laboratory work, shall be ascertained by adding for the purpose of calculation, to the number of lecture hours in the same course, or partial course, the number of hours of laboratory work therein; and by rating the aggregate lecture and laboratory fee for that course combined accordingly, as for example:—

Assuming the course of lectures to comprise fifteen hours, and the course of laboratory work to comprise fifteen hours, making thirty in all, the total fee for the course of lectures and laboratory work combined shall be that prescribed above for thirty lecture hours, namely, \$3.

**Charges for Laboratory Supplies.**

Charges for supplies shall include laboratory materials and instruments used by or for the student, and ordinary wear and tear of instruments; but not charges for waste, neglect and breakage, which are to be met out of a deposit, to be fixed by the Professor.



The annual supply charges for a matriculated student in Arts shall be according to the following table:—

	Chemistry.	Mineralogy and Geology.	Biology.	Physics.	Psychology.	Totals.
	\$	\$	\$	\$	\$	\$
<b>FIRST YEAR AND DEPARTMENT.</b>						
Natural Sciences.....	2 00		2 00	1 00		3 00
Chemistry and Mineralogy.....	2 00			1 00		3 00
Physics and Chemistry.....				1 00		1 00
<b>SECOND YEAR AND DEPARTMENT.</b>						
Chemistry and Mineralogy or Physics and Chemistry.....	3 00	1 00		1 00		5 00
Natural Sciences.....	2 00	1 00	5 00			9 00
Mathematics and Physics.....						2 00
<b>THIRD YEAR AND DEPARTMENT.</b>						
Chemistry and Mineralogy.....	10 00	2 00		2 00		14 00
Natural Sciences.....	2 00	2 00	10 00			14 00
Physics.....				8 00		8 00
Physics and Chemistry.....	7 00			7 00		14 00
Psychology.....					2 00	2 00
<b>FOURTH YEAR AND DEPARTMENT.</b>						
Chemistry and Mineralogy.....	10 00	4 00				14 00
Biology.....			20 00		2 00	22 00
Geology and Mineralogy.....		10 00				10 00
Physics.....				10 00		10 00
Physics and Chemistry.....	7 00			7 00		14 00
Psychology.....					3 00	3 00

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The annual supply charges for an occasional student shall be according to the following table :—

*A. Partial Course 1.*

Being that prescribed for students in the School of Practical Science in Civil Engineering :

Second Year, Physics .....	\$1 50
Third Year " .....	1 00

*B. Partial Course 2.*

Being that prescribed for students in the School of Practical Science in Architecture :

Second Year, Physics .....	\$1 00
Third Year " .....	2 00

*C. Partial Course 3.*

Being that prescribed for students in the School of Practical Science in Mechanical and Electrical Engineering :

First Year, Physics .....	\$1 00
Second Year " .....	1 50
Third Year " .....	3 00

*D. Partial Course 4.*

Being that prescribed for matriculated students in Medicine :

	Chemistry.	Biology.
First Year .....	\$3 00	\$1 50
Second Year .....	3 00	2 75

The payment of fees shall not entitle any occasional student to be admitted to the laboratory work of a later year without having taken that of the earlier year or years, unless this requisite is dispensed with by the Professor or the Senate.

### Fees for Occasional Students in Arts, and Library Fees.

1. "A course of lectures" means the continuous course of instruction, excepting laboratory work, offered in the University Faculty to students in Arts in any one year in any of the undermentioned subjects, namely : History ; Italian and Spanish ; History of Philosophy, Logic, Metaphysics and Psychology ; Political Science (including Political Economy, Jurisprudence and Constitutional Law) ; Mathematics ; Physics ; Chemistry ; Mineralogy and Geology ; Biology (including Physiology, Zoology, Botany and Histology) ; and any other separate subject in which instruction is or may be given by the teaching Faculty in the University of Toronto.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

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"A matriculated student in Arts" means a student in Arts who is matriculated in the University of Toronto and enrolled in University College or a Federated University, and whose name is entered with the Registrar of the University of Toronto.

"An occasional student" includes every student in whose case the Senate is by law authorized to determine fees for courses of lectures in the University of Toronto.

2. The annual fee for an occasional student attending a course, or partial course, of lectures shall be as follows :—

For each course of not more than 15 hours	.....	\$2 00
" " between 15 and 30 "	.....	3 00
" " " 30 " 50 "	.....	5 00
" " " 50 " 80 "	.....	7 00
" " more than 80 "	.....	8 00

3. Every matriculated student in Arts shall, during his undergraduate course, pay, at the time of the entry of his name with the Registrar, an annual library fee of \$2.

4. No occasional or other student of any class shall be admitted to the library, save upon payment of an annual fee of \$2.

N.B.—All the above fees are payable in advance, and in the case of fees for lectures, if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of one dollar per month will be imposed until the whole amount is paid.

The fee for each examination must be paid at the time of application.

The fee for admission *ad eundem statum*, for change of faculty, for admission to a higher year on the certificate of the head of a federated college, for dispensation from attendance at lectures, or for certificates of honor, must be paid at the time of application.

## II. UNIVERSITY COLLEGE FEES.

Graduates in Arts, who have pursued the undergraduate course in University College, may attend lectures free; but this privilege does not exempt them from laboratory and other special fees.

For regular students in Arts, "a course of lectures" means a continuous course of instruction offered to matriculated students in Arts in any one year in any subject.

"A partial course of lectures" means any special course or any subdivision, complete in itself, of a course of lectures as above defined.

"A matriculated student in Arts" means a student who is matriculated in the University, and enrolled in University College, and whose name is entered with the Registrar of the University.

"An occasional student" includes every student, not being a matriculated

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student under the above definition, in whose case the Lieutenant-Governor in Council is by law authorized to determine fees for courses of lectures on the report of the Council of University College.

Every matriculated student in Arts shall, on each year's enrolment in University College, pay an enrolment fee according to the following table; which fee shall include all instruction for which fees are by law chargeable, except laboratory supply charges and library fees:—

**Table.**

FIRST YEAR	..... Any course or department	..... \$30 00
SECOND YEAR	..... Any course or department	..... 30 00
THIRD YEAR	..... Chemistry and Mineralogy	..... 25 00
	..... Natural Science or Physics and Chemistry	..... 25 00
	..... Any other course or department	..... 30 00
FOURTH YEAR	..... Physics and Chemistry, Chemistry and Mineralogy, or Physics	..... 25 00
	..... Biology	..... 20 00
	..... Any other course or department	..... 30 00

The annual enrolment fee of a matriculated student in Arts taking, under the regulations, more than one honor course, shall be \$30 only.

The enrolment fee of a matriculated student in Arts attending lectures for one term, or part of a term, shall be \$15.

The enrolment fee for students receiving dispensation from attendance at lectures in University College shall be \$5 for each term, in addition to the University fee of \$5. The payment of these fees entitles the student to supervision of "term work" prescribed in connection with his course.

The annual fee for an occasional student attending a course, or partial course, of lectures in University College shall be similar to the lecture fee prescribed by the Senate statute for occasional students, namely:

For each course of not more than 15 hours	..... \$2 00
“ “ between 15 and 30 “	..... 3 00
“ “ “ 30 “ 50 “	..... 5 00
“ “ “ 50 “ 80 “	..... 7 00
“ “ more than 80 “	..... 8 00

The annual enrolment fee of an occasional student attending all the courses of lectures in any year shall be \$30.

For each Certificate of Honor ..... \$1 00

N.B.—All the above fees are payable in advance, and if not paid during the month of October (or in the case of students attending in Easter term only, during the month of January), an additional fee of \$1 per month will be imposed until the whole amount is paid.

## SCHOLARSHIPS, PRIZES AND MEDALS.

## I. University.

## A. Matriculation Scholarships.

The scholarships hereinafter mentioned, with the exception of the Prince of Wales Scholarship and the Mary Mulock Scholarships, are provided from the endowment fund presented by the Honorable Edward Blake, Chancellor of the University, and are known as the Edward Blake Matriculation Scholarships.

## I.

There are, including the Prince of Wales Scholarship, nine Junior Matriculation scholarships for general proficiency in the four departments of Classics, Mathematics, Modern Languages and Science, and the sub-department of History.

These scholarships are of the following values :—

SOURCE OF MONEY.		FREE TUITION.		TOTAL VALUE.
(1)	{ The Prince of Wales..... (Name, Prince of Wales.)	\$50 00	.....	\$50 00
(1a)	{ The Hon. Edward Blake..... (Name, Edward Blake.)	60 00	Four years. \$120 00	180 00
				\$230 00
(2)	" " " .....	42 50	" .. 120 00	162 50
(3)	" " " .....	25 00	" .. 120 00	145 00
(4)	" " " .....	22 50	" .. 120 00	142 50
(5)	" " " .....	20 00	Three years. 90 00	110 00
(6)	" " " .....	17 50	" .. 90 00	107 50
(7)	" " " .....	15 00	" .. 90 00	105 00
(8)	{ .. .. (Name, West Durham.)	25 00	.....	25 00

Candidates for these scholarships must obtain first-class honors in at least one department.

The scholarship (1a) shall be held together with the Prince of Wales Scholarship.

The scholarship (8) is preferentially tenable by a scholar from the Bowmanville High School.

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II.

There are twelve Junior Matriculation scholarships for proficiency in two departments, of the following values :-

	SOURCE OF MONEY.		FREE TUITION.		TOTAL VALUE.	
CLASSICS AND MATHEMATICS, two . . . .	(1)	The Hon. Edward Blake.	\$60 00	Four Years.	\$120 00	\$180 00
	(2)	(Name, Edward Blake.)	20 00	Three Years.	90 00	110 00
CLASSICS AND MODERNS, four . . . .	(1)	"	60 00	Four Years.	120 00	180 00
	(2)	"	42 50	"	120 00	162 50
MATHEMATICS AND MODERNS, two . . . .	(3)	"	20 00	Three Years.	90 00	110 00
	(4)	"	17 50	"	90 00	107 50
MATHEMATICS AND MODERNS, two . . . .	(1)	"	60 00	Four Years.	120 00	180 00
	(2)	"	20 00	Three Years.	90 00	110 00
SCIENCE, two . . . .	(1)	"	60 00	Four Years.	120 00	180 00
	(2)	"	20 00	Three Years.	90 00	110 00
SCIENCE, two . . . .	(1)	"	60 00	Four Years.	120 00	180 00
	(2)	"	20 00	Three Years.	90 00	110 00

Candidates for these scholarships must obtain at least first-class honors in one of the specified departments and second-class in the other of them.

III.

There are eight Junior Matriculation scholarships for proficiency in one department, of the following values :-

	SOURCE OF MONEY.		FREE TUITION.		TOTAL VALUE.	
CLASSICS, two . . . .	(1)	Mary Mulock.	\$60 00	Three years.	\$90 00	\$150 00
		(Name, Mary Mulock.)				
	(2)	Mary Mulock.	60 00	Two years..	60 00	120 00
		(Name, Mary Mulock.)				
MATHEMATICS, two . . . .	(1)	The Hon. Edward Blake.	60 00	Three years.	90 00	150 00
	(2)	(Name, Edward Blake.)	15 00	"	90 00	105 00
MODERNS, two . . . .	(1)	"	60 00	"	90 00	150 00
	(2)	"	15 00	"	90 00	105 00
SCIENCE, two . . . .	(1)	"	60 00	"	90 00	150 00
	(2)	"	15 00	"	90 00	105 00

Candidates for these scholarships must obtain first-class honors in their department.

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## UNIVERSITY AND UNIVERSITY COLLEGE

### GENERAL REGULATIONS.

The marks for all classes of Scholarships shall be assigned in the following proportions :—

CLASSICS .....	{ Latin .....	600	1200
	{ Greek .....	600	
MATHEMATICS .....		1200	1200
MODERN LANGUAGES .....	{ English .....	400	1200
	{ French .....	400	
	{ German .....	400	
SCIENCE .....	{ Chemistry .....	400	1200
	{ Physics .....	400	
	{ Biology (Botany, Zoology) ..	400	
HISTORY .....		200	200

The marks obtained at the examination for Part I. shall not be taken into account in awarding any of the scholarships. The marks assigned to each of the subjects in the General course shall be as follows :—Latin, 200; Greek, 200; Mathematics, 400; English, 250; French, 125; German, 125; Chemistry, 75; History, 75.

All candidates for scholarships in one or more departments shall at the same examination pass in the other subjects prescribed for Part II., of the Junior Matriculation. The subjects of Part I., in which they are also required to pass, may be taken at the same or a previous examination.

Saving the exception as to the Prince of Wales Scholarship, no one shall be entitled to hold more than one scholarship; but anyone who would, but for this provision, have been entitled to a second scholarship shall be published in the lists and receive a certificate of honor.

No scholarship shall be awarded save on condition that the candidate becomes a matriculated student in actual attendance in the University of Toronto.

Free tuition awarded shall be available on the following conditions :—For the first year on the award of the scholarship; for any year after the first on proof that the claimant has passed his examination for the preceding year with first-class honors in at least one department.

In the case of candidates who obtained scholarships prior to 1896, free tuition shall be accorded on a second-class standing.

In case in any year any scholarship be not taken, it shall be allowable to award such scholarship, or some part thereof, to a candidate who has shown special excellence in the examination in some other group, and has taken scholarship rank therein, but has failed to win a scholarship therein.

In case in any year any scholarship be not awarded, the money undisposed of shall be divided among the scholarships for the succeeding year.

The Board of Arts Studies may from time to time make and amend any regulations requisite to carry out the plan: such regulations shall be laid before

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the Senate at its next meeting, and may be from time to time amended by the Senate or referred back to the committee for reconsideration.

RESOLUTION PASSED BY THE JOINT BOARD, DECEMBER 28, 1895.

That examinations for University Scholarships be held at any centre where there is an examination for Matriculation, provided any additional necessary expenditure be met by the locality; and that the appointment of presiding examiners receives the approval of the Joint Board.

**B. Undergraduate Scholarships.**

The following scholarships have been founded and endowed in the University, and are open for competition to all undergraduates in Arts, who are candidates for Honors in the departments and years to which they are assigned :—

POLITICAL SCIENCE.

THE BANKERS' Scholarship, of the value of \$70, the gift of the Bank of Toronto, the Canadian Bank of Commerce, the Dominion, Imperial, Standard, and Traders' Banks, and the Union Bank of Lower Canada. Only such candidates are eligible as are of one year's standing and have passed the examination of the First year. A special examination on some special text-book of history or finance will be held at the time of the Supplemental examinations in September. This scholarship is not tenable with any other.

THE ALEXANDER MACKENZIE Scholarships, two of the value of \$75 each, and two of the value of \$50 each, the gift of friends of the late Hon. Alexander Mackenzie.

PHILOSOPHY.

THE JOHN MACDONALD Scholarship, of the value of \$50, the gift of the late Hon. John Macdonald.

MATHEMATICS AND PHYSICS.

THE WILLIAM MULOCK Scholarship, of the value of \$60, the gift of William Mulock, M.A., LL.D.

THE FULTON Scholarship, of the value of \$60, the gift of the late A. T. Fulton.

A scholarship of the value of \$75, the gift of the Local Committee for the Toronto meeting of the American Association for the Advancement of Science. In awarding this scholarship, the theoretical and practical work in the department will be estimated in the proportion of three to one.

NATURAL SCIENCE.

THE EDWARD BLAKE Scholarship, of the value of \$60, the gift of the Hon. Edward Blake.

THE FULTON Scholarship, of the value of \$60, the gift of the late A. T. Fulton.

THE DANIEL WILSON Scholarship, of the value of \$60, the gift of a friend.





No scholarship will be awarded to any candidate who has been placed lower than the First Class in the department, or in any of the departments or sub-departments to which the scholarship is attached.

**C. Prizes in Books.**

The CHEMISTRY Prize, the gift of Professor Pike, of the annual value of \$15, is open for competition among students of the Fourth year in the Department of Chemistry and Mineralogy.

The MINERALOGY and GEOLOGY Prizes, the gifts of Professor Chapman, are open for competition among students of these subjects in the Second and Third years. The value of the Second year prize is \$5, and of the Third year prize is \$10.

**D. Medals.**

THE GOVERNOR GENERAL'S Medals, the gift of His Excellency the Earl of Aberdeen, are awarded under the following conditions:—

1. The Gold Medal shall be awarded to that candidate in the final examination for the B.A. degree who, taking not less than 66 per cent. in English (as defined below), and not less than 75 per cent. in some one of the following Honor departments:—(a) Classics, (b) Philosophy, (c) (d) Mathematics or Physics, (e) (f) Natural Science (either division), shall also take the best aggregate mark in the two subjects.

2. English shall be understood to mean only the papers (at present four in number) on later English Literature (from the end of the 15th century).

3. In order to obviate any unfairness arising from a different system of marking in different departments, the principle shall be always adopted of raising the marks of the best candidate in the first class of each department to the maximum, and those of the others in proportion, unless the examiners of any department report that the marks of the best candidate in their department are not of sufficient merit to be so raised.

4. The Registrar shall publish not only the name of the successful candidate, but also the names of all candidates who, by satisfying the above conditions, are eligible for the award.

5. The Silver Medal shall be awarded to that candidate in the Second year of the General course who, taking not less than 75 per cent. in this examination takes also the highest aggregate of marks, when the result of the First and Second year examinations in this course are added together, such examinations having been taken in two consecutive calendar years.

6. The discretion of the examiners (paragraph three above), as in the examination for the Gold Medal, shall apply also to this examination.

**NATURAL SCIENCE.**

The McMurrich Medal (Silver), the gift of W. B. McMurrich, M.A., awarded on the recommendation of the Natural Science Association.

The Cawthorne Medal, the gift of F. T. Shutt, M.A., awarded on the recommendation of the Natural Science Association.

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**E. Graduate Scholarships.**

THE RAMSAY Scholarship in Political Economy, of the value of \$60, the gift of Mr. William Ramsay. This Scholarship is open for competition to all graduates or undergraduates who have been placed in the First Class in one of the Economic subjects of the Fourth year in the Honor department of Political Science (Third year in the Faculty of Law); but not more than two years must have elapsed since the competitor passed the examination above specified. The award is made upon an essay, the subject of which must be some question in Economics or Finance of interest to the commercial community in Canada, to be announced in May of each year, and the competition closes on the 15th of September thereafter, by which date the essays must be sent to the Registrar.

THE 1851 EXHIBITION SCIENCE Scholarship, of the value of £150 sterling, given by the Commissioners for the International Exhibition of 1851, is awarded once in two years by the University Council for research in some branch of Physics or Chemistry. Subject to a satisfactory report as to progress in study, it is ordinarily tenable for two years at home or abroad.

THE GEORGE PAXTON YOUNG Memorial Scholarship in Philosophy, of the value of \$400, will be awarded for the first time in June, 1897. The holder must be a Bachelor of Arts of not more than two years' standing, who has taken an Honor course in Philosophy. This Scholarship is tenable for one year, and the holder must devote his whole time to the study of some topic falling under the general term Philosophy. He may pursue his studies either in the University of Toronto, or in some other University approved by the University Council; but in either case he shall furnish to the University Council such evidence as may from time to time be required, that he is faithfully observing the conditions under which the scholarship was awarded. Applications must be in the hands of the Registrar on or before June 15th, 1897. Further particulars may be obtained from the Registrar.

**F. Graduate Fellowships.**

THE ALEXANDER MACKENZIE Fellowships, two of the value of \$375 each, the gift of friends of the late Hon. Alexander Mackenzie. These fellowships, which are tenable for one year, will be awarded by the University Council to graduates of the University of Toronto.

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## II. University College.

### A. Scholarships.

The following scholarships have been founded and endowed in University College, and are open for competition among the students in actual attendance in the College :—

THE MOSS CLASSICAL Scholarships, two of the value of \$60 each, in Classics of the First and Third years respectively, founded by subscription in honor of the late Hon. Chief Justice Moss.

THE WILLIAM MULOCK Scholarship in Classics in the Second year, of the value of \$60, the gift of William Mulock, M.A., LL.D.

THE EDWARD BLAKE Scholarship in Modern Languages in the First year, of the value of \$60, the gift of the Hon. Edward Blake.

THE GEORGE BROWN Scholarship, in Modern Languages in the Second year, of the value of \$60, founded in honor of the late Hon. George Brown.

THE JULIUS ROSSIN Scholarship in Modern Languages in the Third year, of the value of \$60, the gift of Julius Rossin, Hamburg, Germany.

THE JOHN MACDONALD Scholarship in Philosophy, of the value of \$50 in the Third year, the gift of the late Hon. John Macdonald.

### B. Prizes in Books.

THE CLASSICAL Prizes, the gift of Professors Hutton and Dale, each of the annual value of \$10, are open for competition among students of the Department of Classics of the Second and Third years.

THE FREDERICK WYLD Prize, the gift of F. Wyld, Esq., of the annual value of \$25, for English Composition, is open for competition among all students of the Third and Fourth years in attendance on lectures.

THE FRENCH PROSE Prize, of the annual value of \$10, for French Composition, is open for competition among matriculated students of all years in attendance on lectures.

### C. Medals.

Medals are offered for competition to undergraduates in the following departments in actual attendance as students in the College :—

CLASSICS (in the Fourth year).

The McCaul Medal (Gold), established in 1886 by the late W. H. C. Kerr, Gold Medallist in Classics of 1859, in memory of the Rev. John McCaul, LL.D., First Professor of Classics and First President of University College. It was presented by Mr. Kerr from 1886 up to his death, and from 1891 to 1894, after

his death, by his widow. Since then the donors have been John Hoskin, Q.C., LL.D., Chairman of the Board of Trustees (for 1895); Nicol Kingsmill, M.A., Q.C., Classical Medallist of 1856 (for 1896); and William Crombie, Esq., of Montréal (for 1897), in memory of his brothers Ernestus Crombie, M.A., Gold Medallist in Classics of 1854, and Marcellus Crombie, M.A., LL.B., Gold Medallist in Classics of 1857.

MODERN LANGUAGES (in the Third year).

The Governor General's Medal (Silver), the gift of His Excellency The Earl of Aberdeen.

## FELLOWSHIPS.

### University.

Fellowships in the subjects named below, of the annual value of \$500 each, are awarded annually. The selection is made immediately after the publication of the results of the University Examinations in May, from among graduates of the University.

Each Fellow is appointed annually; but he may be re-appointed for a period not exceeding, in all, three years.

Each Fellow is required to assist in the teaching and practical work of his department, to pursue some special line of study therein, and to devote his entire time during the Session to the work of the department, under the direction of the Professor or Lecturer. The Fellows are selected with a special view to their aptitude for teaching, and their attainments in the department in which the appointment is to be made. Every Fellow on accepting his appointment comes under an obligation to fulfil the duties of his Fellowship during the Academic Year in which he is appointed, unless specially exempted.

Candidates must send in their applications annually to the Registrar, not later than the first day of June.

The Fellowships in the following departments are assigned to the Faculty of the University: Mathematics, Chemistry, Biology, Mineralogy and Geology, Political Economy.

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# The University of Toronto.

## REGULATIONS AND CURRICULUM IN ARTS.

### Degree of Bachelor of Arts.

There are two ordinary modes of proceeding to the Degree of Bachelor of Arts, viz : (1) by taking the General course ; or, (2) by taking an Honor course.

#### Entrance.

1. Candidates may enter this Faculty by passing the Junior Matriculation examination or the Senior Matriculation examination (First year).
2. Candidates for Junior Matriculation must have completed the sixteenth year of their age.
3. Candidates for entrance must produce satisfactory certificates of age and of good conduct.
4. All candidates for Junior Matriculation shall take the following subjects :— Latin, English, History, Mathematics, French or German, and either (1) Greek or (2) the second Modern Language with Physical-Science (Physics and Chemistry).
5. The examination may be taken at once or may be divided into the following two parts, of which (I.) shall be taken before (II.) and in a different year :—(I.) Arithmetic and Mensuration, English Grammar and Rhetoric, Physics, and the History of Great Britain and Canada ; (II.) Greek, Latin, French, German, English Composition, English Literature, Ancient History, Algebra, Geometry and Chemistry.
6. The percentage required to pass the examination shall be thirty-three and one-third per cent. on each paper taken by the candidate.
7. The marks for sight-work on each of the "Authors" papers shall constitute at least thirty-three and one-third per cent. of the whole of the marks for the paper.
8. Junior Leaving certificates will be accepted *pro tanto* at both Part I. and Part II. of the Junior Matriculation examination, but candidates who desire to compete for scholarships or relative standing will not be granted this exemption in the case of Part II.

9. Candidates for Honors and for Scholarships will be examined only on the Honor papers in a department, always provided that such candidates may receive pass standing on these papers.

10. Candidates who have already passed both Parts I. and II. of the present Matriculation, or who have passed Junior Matriculation prior to 1896, shall, if they again present themselves for examination at Matriculation, be regarded as having passed Part I. only, provided that Physics be taken by those candidates who have not taken Greek.

11. All candidates for Senior Matriculation shall take the following subjects:—English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

12. Candidates for Senior Matriculation may present themselves either in May at the University of Toronto, or in June at such schools as comply with the statute of Senate relating to this examination (for new regulations see statute below).

13. The ordinary annual examinations for Junior Matriculation will commence in July, and applications therefor must be sent to the Education Department, through the Public School Inspector or the Registrar of the University, not later than 24th May, except in the case of candidates for scholarships, whose application and fee must be sent to the Registrar of the University by the above-mentioned date.

14. Candidates failing in one or more subjects of Part I. or of Part II. must repeat the whole examination in which such failure occurred.

15. Supplemental examinations for Junior and Senior Matriculation will be held in the University about the middle of September, at which those who are rejected at previous examinations, as well as new candidates, may present themselves; but no honors or scholarships will be awarded at such examinations. Applications therefor must be sent to the Registrar of the University not later than 1st September.

16. The fee for the Junior Matriculation examination is seven dollars, that is, two dollars for Part I. and five dollars for Part II. The fee for Senior Matriculation examination, and for Supplemental Matriculation is ten dollars, and must in every case be paid at the time of application.

17. Until the Senate by resolution otherwise determines, the standing of candidates who have passed, or who may hereafter pass, the examination of the Department of Education for Senior or Junior Leaving Certificates, is accepted *pro tanto* at any Junior Matriculation examination.

18. Senior Leaving certificates, or certificates of having passed portions of the examination for such certificates, may be accepted *pro tanto* at the Senior Matriculation and First year examinations. The standing of candidates for the whole or part of the examination for a higher grade of certificate than Senior Leaving shall be determined in each case by the Senate.

19. Candidates presenting Senior Leaving certificates covering the complete work of the First year, or such work wanting one or two subjects, may be admitted to standing of the Second year, or to such standing, conditioned on such subjects.

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20. Candidates presenting *pro tanto* certificates must complete the entire examination at one time.

21. The examinations of the School of Practical Science in Mathematics, Physics, Chemistry, Mineralogy and Geology, are accepted *pro tanto*.

22. Candidates who desire to compete at the First year examinations for scholarships or relative standing are not permitted to exercise the privilege referred to in the preceding paragraph.

23. An undergraduate in the Faculty of Arts in another University may be admitted *ad eundem statum* on such conditions as the Senate may prescribe.

24. If such applicant be admitted to a lower standing in this University than he held in his own University, he may not compete for scholarships at the next ensuing examination; but if he obtain honors, he shall, at the next succeeding examination, enjoy the same rights and privileges with respect to obligatory subjects as an original undergraduate of this University who has passed an examination of the same merit.

25. The fee for admission *ad eundem statum* is eight dollars, and must be paid at the time of application.

#### REVISED SENIOR MATRICULATION REGULATIONS.

The following Statute respecting the Senior Matriculation Examination was passed in May, 1896:—

1. (a) The number and the standard of the examination papers and the regulations respecting the subjects of examination for pass shall be the same in each department as for the first year examination, and the percentage for pass shall be one-third of the maximum of marks assigned to each paper.

(b) The number and the standard of the examination papers, and the regulations respecting the subjects of examination and the percentage required for honors, shall be the same in each department as for the first year examination.

2. The examinations shall be held in May, June and September, at the University of Toronto, and the June examination at such local centres also as may be determined by the standing committee on examinations.

3. Applications for a local examination shall be made to the Registrar of the University by the authorities of a School or College, not later than the first day of May in each year.

4. The presiding examiner or examiners at each local centre shall be appointed by the standing committee on examinations, and of these examiners, as many as may be found necessary, shall be appointed to read the dictation papers in French and German.

5. The remuneration of the presiding examiner at a local centre and such other extra expense as may be incurred in connection with the local examination shall be paid by the authorities of the School or College on whose application the examination is held, and the amount due shall be paid to the Registrar at the close of the examination.



6. Candidates for this examination shall make application to the Registrar of the University not later than the fifteenth day of March for the May examination, the fifteenth day of May for the June examination, and the first day of September for the September examination, and shall forward to him, with such application, the fee for this examination.

7. Candidates who have not previously passed the examination on Arithmetic and Mensuration, and English Grammar of Part I. of the Junior Matriculation Examination will be required to take papers on each of these subjects at Senior Matriculation.

8. The Board of Examiners for the June examination shall be, as far as practicable, that appointed for the Junior Matriculation Supplemental examination in Arts.

9. The fee for Senior Matriculation shall be fifteen dollars.

10. This Statute shall come into effect on January 1st, 1897.

### Regulations Relating to all Undergraduates.

1. Undergraduates proceeding to the Degree of Bachelor of Arts must be enrolled either in University College or in Victoria University. They must also attend lectures on all the subjects of their course of study for the year, unless for sufficient reasons the Senate, on recommendation of the College in which they are enrolled, grants them a dispensation from lectures in whole or in part. The fee for such dispensation shall be five dollars. All applications for such dispensation must be lodged with the Registrar before October 1st, and for Easter Term before January 1st.

2. In case a student who has won a scholarship at matriculation applies for dispensation from attendance for one or more of the years during which he is entitled to exemption from tuition fees, he shall be exempt from the usual fee for dispensation in lieu of tuition fees.

3. Every undergraduate must, before being admitted to any examination subsequent to that by which he enters the University, produce a certificate from the head of the College in which he is enrolled, to the effect that he has complied with all the requirements of that College affecting his admission to such examination, and no candidate shall be admitted to standing at any examination who has been reported from his College Council to have violated their regulations.

4. Notice of the time of commencement of the undergraduate examinations will be given annually in January.

5. Candidates in all the years are required to send to the Registrar of the University, at least six weeks before the commencement of each examination, an application for examination according to a printed form to be obtained from the Registrar. The fee for examination and, in the case of candidate for degrees, that for the degree, must be paid not later than April 15th.

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### Regulations Relating to the General Course.

1. An undergraduate is entitled to the degree of Bachelor of Arts if in each year of his course he passes the examinations in the prescribed work of the General course.

2. Candidates in the General course in Arts must obtain at the annual examinations a minimum average of sixty-six per cent. in order to be placed in the first class in General Proficiency, and a minimum average of fifty per cent. in order to be placed in the second class. The candidates in these two classes shall be ranked in order of merit. All candidates failing to obtain fifty per cent. in each subject but obtaining not less than thirty-three per cent., shall be ranked as Pass candidates. The names of candidates in the General course in Arts who avail themselves of the theological options shall be placed in a list, separate from those who have not availed themselves of this privilege.

3. Candidates in the General course in Arts shall be arranged alphabetically in each subject in the annual class lists in three grades, A, B, and C; the minimum for Grade A shall be sixty-six per cent. of the marks, and for Grade B, fifty per cent.; all who pass with less than fifty per cent., but not less than thirty-three per cent., shall be placed in Grade C.

4. The name of a Pass candidate in Arts may be allowed to appear in the class-lists of his year, provided there are not more than two subjects in which he has failed. These subjects may be among the obligatory subjects of the year, or they may be subjects attempted at a previous examination or examinations. Honor and General Proficiency candidates in Arts may be starred in one, but not more than one subject of the General course on like conditions.

5. Honor candidates who have failed in one subject under the above regulation, and who in consequence have been starred in that subject, may repeat in May the whole examination at which they were starred, and similarly General Proficiency or Pass candidates who have been starred in one or two subjects, may repeat the whole examination either in September or in May, but such candidates shall not be eligible for scholarships. All candidates who do not exercise this option may present themselves for examination in the subjects in which they have been starred, either in September or in May, but on so presenting themselves, they shall be entitled to examination in those subjects only in which they have been starred.

6. Candidates of the Fourth year who have been starred in one or two subjects, but who have not succeeded in writing off these subjects at some previous examination, may be allowed to take this work at the May examination. Candidates taking advantage of this provision shall pay an additional fee of ten dollars. But in the case of English of the Third and Fourth year, a candidate shall not be considered to have written off his star, unless the Third year examination which he passes covers a different prescription of texts from that covered by his Fourth year examination.

7. When a candidate at an examination is starred in a subject which is one of two or more subjects between which an option exists at the said

examination, the candidate at his supplemental examination may present himself in any one of such alternative subjects.

8. At the beginning of the Second, Third, or Fourth year a candidate may be transferred from the General course to an Honor course or *vice versa*, or from one Honor course to another Honor course, by passing an examination on such subjects, and by obtaining therein such a percentage as may be required by the Senate in view of the nature of the transfer granted. A student in the General course who wishes to take honors in a department may be allowed to repeat his year, taking the work of the Honor department only if he so desires, and on passing with honors he shall be allowed to proceed in that department.

9. Undergraduates of any year, who have been rejected, or who have by sickness, domestic affliction, or other causes beyond their control been prevented from attending the Annual examinations in May, may present themselves for examination in September; but candidates who have failed to attend at the May examinations, must prove to the satisfaction of the Vice-Chancellor, before presenting themselves in September, the existence and sufficiency of the alleged cause of absence, and all such cases shall be subsequently reported to the Senate.

10. Undergraduates in the General course in the Third and Fourth years may, in lieu of one or more of the subjects prescribed for each of these years, take certain of the following subjects, namely, Biblical Greek, Biblical Literature, Apologetics, Church History, and Christian Ethics, according to the following schedule:—

THIRD YEAR....Biblical Greek *for* Classical Greek; Church History *or* Biblical Literature *for* Modern History; Apologetics *for* Physics.

FOURTH YEAR....Biblical Greek *for* Classical Greek; Biblical Literature *for* Modern History; Christian Ethics *or* Apologetics *or* Church History *for* History of Philosophy.

NOTE.—Candidates are allowed two of the three options in the Third, and three in the Fourth year.

11. Undergraduates who exercise the theological options must present to the College in which they are enrolled certificates of having attended lectures (unless granted dispensation by the University) and of having passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard.

#### Term Work in the General Course.

12. Reports of attendance at pass lectures in the First and Second years shall be made in all departments except those of Chemistry, Natural Science, and Physics, and marks for such attendance shall be assigned in connection with the May examination as follows:—

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13. No student attending less than one-half the lectures shall receive any marks for attendance.

14. Reports on term pass work in the First and Second years shall be made in all departments except those of Chemistry, Natural Science, and Physics. In the department of English four essays at least shall be required during the session from each student; and the reports on term work in that department shall be based on the essays. In other departments the report on term work shall be based on those parts of the work which the professor or lecturer may deem most appropriate as tests of proficiency. The maximum number of marks to be assigned for term work in connection with the May examination shall be thirty, except in the case of English, in which the term work shall count as eighty marks.

15. Students to whom the foregoing regulations apply must obtain on the May examination at least thirty-three per cent. of the examination marks; and must also obtain at least thirty-three per cent. of the aggregate number of marks assigned according to the following schedule:—

May examination .....	100
*Term work .....	30
Attendance .....	20
Total .....	150

16. The Senate may, upon the report of the University or College Council concerned, based on the recommendation of a Professor or Lecturer, excuse registered students from term work and from attendance at lectures in any one or more subjects. Such exemption must be obtained at the beginning of each term, and no exemption from term work shall be allowed in the case of English.

### Regulations Relating to the Honor Course.

1. In this course there are eleven Honor departments, viz.: I. Classics; II. Modern Languages; III. English and History; IV. Oriental Languages; V. History; VI. Political Science; VII. Philosophy; VIII. Mathematics and Physics; IX. Natural Science; X. Chemistry and Mineralogy; XI. Physics and Chemistry.

2. Candidates shall not have the right to claim examination in more than two Honor courses after the first year.

3. An undergraduate is entitled to the degree of Bachelor of Arts, if in each year of his course he passes the examinations in the prescribed work of one of these departments, and also the subjects of the General course prescribed in

\*English term work 80, and total 200.

connection therewith, at the respective times mentioned in the schedule at the head of each department.

4. In the annual class-lists, the names of candidates who obtain honors in any department or subject shall be arranged in order of merit in three classes, those obtaining seventy-five per cent. and over of the total number of marks being placed in the first class, those obtaining sixty-six per cent., and less than seventy-five per cent. being placed in the second class, and those obtaining fifty per cent. and less than sixty-six per cent. being placed in the third class.

5. A candidate pursuing a course in an Honor department who falls below the third class in his department, shall not be allowed standing of the following year. But in the departments of Modern Languages, English and History, History, Political Science, Philosophy, Chemistry and Mineralogy, Physics and Chemistry, and Natural Science, candidates whose average is not less than third class, but who have fallen below third class in any one subject, may, on the recommendation of the examiners, be allowed to proceed as Honor candidates in the following year.

6. A candidate who competes for honors at the examination for Bachelor of Arts, and fails to obtain the requisite number of marks to entitle him to be classed in honors, may, on the recommendation of the examiners, be awarded a degree without honors; it being at the option of the candidate to accept the award of such a degree, or to wait until a subsequent examination, and again compete for a degree in honors.

7. An undergraduate who has obtained honors in any department may with the consent of the Senate be transferred to any other department, and proceed therein, but as a prerequisite to obtaining the Degree of Bachelor of Arts, he must during his course have passed the examinations in the subjects of the General course required in the Honor department to which he is transferred. Undergraduates who are pursuing an Honor course, and who at Junior Matriculation obtained honors in a subject, shall be exempt from examination and attendance at lectures in this subject, provided it is one of the pass subjects attached to their Honor department in the First year, and is prescribed for the First year only.

8. Candidates in the honor subjects of Physics, Chemistry, Biology, Mineralogy and Geology, and Psychology will be ranked in the class-lists on practical work done in the laboratories of the respective departments during the session; and no candidate will be allowed to proceed to examination in any of these honor subjects unless he presents to the Registrar a certificate from the Professor that he has attained honor standing in the practical work of that subject.

9. In the Departments of Mathematics and Physics, Chemistry and Mineralogy, and Natural Science, each candidate for honors must attend all examinations in the practical work of the year in which he presents himself for the University examination.

10. Undergraduates in the Honor department of Philosophy may, in the Third year, substitute any two of the three following subjects, viz.: Church History, Apologetics, Biblical Literature, for Modern History and Economics. Under-

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graduates in the Honor department of Oriental Languages may, in the Third and Fourth years, substitute Biblical Greek for Classical Greek. Candidates exercising these options must present certificates of having attended lectures and passed examinations in the subjects so selected at an affiliated or federated College or University other than University College. These examinations must be taken in the same year as the corresponding University examinations, and be subject to the same regulations as to standard. These examinations do not count for honors.

11. In the Honor department of Philosophy two distinct examinations are held upon the two systems of Philosophy taught in the federated Arts Colleges.

### Degree of Master of Arts.

Candidates for the Degree of Master of Arts must have been admitted to the Degree of Bachelor of Arts, must be of the standing of one year from admission to the Degree of Bachelor of Arts, and must have sent in an approved thesis upon some subject in one of the departments in the Faculty of Arts. The thesis must be sent to the Registrar not later than 1st May.

### Admission ad "Eundem Gradum."

A graduate in the Faculty of Arts in any University in Great Britain or Ireland (if his degree be not an honorary one) may be admitted to the same degree in the University of Toronto.

## JUNIOR MATRICULATION.

### GENERAL COURSE.

#### PART I.

##### English Grammar and Rhetoric.

The main facts in the development of the language. Etymology and Syntax, including the inflection, classification and elementary analysis of words, and the logical structure of the sentence. Rhetorical structure of the sentence and paragraph. As far as possible the questions shall be based on passages from authors not prescribed.

##### Arithmetic and Mensuration.

ARITHMETIC: Proofs of Elementary Rules; Fractions (Theory and Proofs); Commercial Arithmetic.

MENSURATION: Rectilinear figures, right parallelepiped, prisms, and pyramids; the circle, sphere, cylinder, and cone.

##### History of Great Britain and Canada.

Great Britain and Canada from 1763 to 1871, with the outlines of the preceding periods of British History.

The Geography relating to the History prescribed.

##### Physics.

An experimental course defined as follows:—

Metric system of weights and measures. Use of the balance. Phenomena of gravitation. Matter attracts matter. Laws of attraction. Cavendish experiment. Attraction independent of condition. Illustration of weight of gases, liquids, and solids. Specific gravity.

Meaning of the term "a form of matter." All matter may be subjected to transmutation; "Chemistry;" application of measurement by weight (mass) to such transmutation leads to the theory of elements. Matter indestructible.

Meaning of "Force." Various manifestations of force, with illustrations from the phenomena of electricity, magnetism, and heat. Force measured in gravitation units; consequent double meaning of the terms expressing units of weight as mass, and units of weight as force.

Meaning of "Work." Measurement of work in gravitation units. Meaning of "Energy."

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Effects of force continuously applied to matter. Laws of matter in motion. Velocity. Acceleration. Statement of Newton's Laws of Motion. Definition of "Mass." Meaning, value, and application of "g." Mass a measure of matter.

Conservation of Energy. Energy, like matter, indestructible and transmutable.

Study of the three states of matter. Properties and laws of gases, liquids, and solids. Laws of diffusion.

Elementary laws of heat. Mechanical equivalent. Latent heat. Specific heat. Caloric.

## PART II.

### Greek.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the prescribed texts by additional practice in the translation of Greek.

Grammatical questions on the passages from prescribed texts shall be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts:—

1897: Selections from XENOPHON, *Anabasis* I, in White's *Beginner's Greek Book* (pp. 304-428) with the exercises thereon; HOMER, *Iliad* I.

1898: Selections from XENOPHON, *Anabasis* I, in White's *Beginner's Greek Book* (pp. 304-428) with the exercises thereon; HOMER, *Iliad* VI.

### Latin.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of passages from some easy prose author, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the prescribed texts by additional practice in the translation of Latin.

Grammatical questions on the passages from prescribed texts will be set and such other questions as arise naturally from the context.

Translation from English into Latin of sentences and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts:—

1897: VIRGIL, *Aeneid* III; CAESAR, *Bellum Gallicum* II, III, IV.

1898: VIRGIL, *Aeneid* I; CAESAR, *Bellum Gallicum* II, III, IV.

N. B.—The Roman method of pronouncing Latin is recommended:— $\bar{a}$  as in *far*,  $\bar{a}$  the same sound, but shorter;  $\bar{e}$  like *a* in *fate*,  $\bar{e}$  as in *set*;  $\bar{v}$  as in *machine*;  $\bar{i}$  as in *fit*;  $\bar{o}$  as in *note*;  $\bar{o}$  as in *obey*;  $\bar{u}$  as in *rude*;  $\bar{u}$  as in *full*;



*j* (i. e., *i* consonant) like *y* in *year*; *v* = *w*; *c* and *g* always hard as in *can*, *go*; *s* always as in *this*, never as in *his*; *t* always as *t*, never as *sh*; *ai* as *ai* in *aisle*; *ae* either as *ai* in *aisle* or as *ay* in *bay*; *au* as *ou* in *our*; *ei* as in *feint*; *eu* = *eh-oo*; *oe* as *oi* in *oil*; *ui* almost as *we*.

#### Mathematics.

ALGEBRA: Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions; Square Root; Simple Equations of one, two and three unknown Quantities; Indices; Surds; Quadratics of one and two unknown Quantities.

GEOMETRY: Euclid, Books I, II, and III; Deductions.

#### French.

The candidate's knowledge of Grammar will be tested mainly by questions based upon prose extracts.

The examination in Composition will consist of (*a*) translation into French of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, (*b*) formation in French of sentences of similar character, and (*c*) translation of passages from English into French.

Translation at sight of modern French, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the following texts by additional practice in the translation of French:—

1897: DE MAISTRE, Voyage autour de ma Chambre; LABICHE, la Grammaire.

1898: ÉNAULT, le Chien du Capitaine; FEUILLET, la Fée.

#### German.

The candidate's knowledge of Grammar will be tested mainly by questions based upon prose extracts.

The examination in Composition will consist of (*a*) translation into German of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, (*b*) formation in German of sentences of similar character, and (*c*) translation of passages from English into German.

Translation at sight of modern German, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the following texts by additional practice in the translation of German:—

1897: LEANDER, Träumereien (selected by Van Daell).

1898: HAUFF, das Kalte Herz, Kalif Storch.

#### English.

COMPOSITION: An essay, to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About three pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

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LITERATURE : Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages, and to have read carefully both prose and poetry outside of the specified work. In addition to the questions on the following selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself :—

## 1897.

GOLDSMITH : The Traveller, The Deserted Village.

BYRON : Fourth Canto of Childe Harold.

The following selections from Palgrave's Golden Treasury :—

WORDSWORTH : "She was a Phantom of Delight," The Green Linnet, To the Cuckoo, and the following Sonnets: England and Switzerland, Upon Westminster Bridge, The Inner Vision.

KEATS : Ode to Autumn, Ode to a Nightingale, and the following Sonnets : On Chapman's Homer, The Terror of Death, The Human Seasons.

SHELLY : Ozymandias, To a Skylark, The Recollection.

SCOTT : The Outlaw, Jock o' Hazeldean, The Rover, Rosabelle.

## 1898.

TENNYSONS : Morte D'Arthur, Elaine, Recollections of the Arabian Nights, To Virgil, Early Spring, Ulysses, "You Ask Me Why," "Of Old, Sat Freedom," "Love Thou Thy Land," Freedom, (Enone, The Lotus Eaters, Crossing the Bar, Lady of Shalott, St. Agnes Eve, Sir Galahad, the six interlude songs in the Princess, and "Tears, Idle Tears."

The following selections from Palgrave's Golden Treasury :—

GRAY : Ode on Vicissitude, Ode on the Spring, Elegy written in a Country Churchyard, Ode on Eton College.

COWPER : Sonnet to Mary Unwin, To the Same, The Castaway, The Poplar Field, The Shrubbery.

**Ancient History.**

Outlines of Roman History to the death of Augustus, and of Greek History to the battle of Chaeronea.

The Geography relating to the History prescribed.

**Chemistry.**

An experimental course defined as follows :—

Properties of Hydrogen, Chlorine, Oxygen, Sulphur, Nitrogen, Carbon, and their more important compounds. Nomenclature. Laws of combination of the elements. The Atomic Theory and Molecular Theory.

## HONOR COURSE.

## Greek.

Translation into English of passages from prescribed texts.  
 Translation at sight of passages of average difficulty.  
 Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.  
 Translation into Greek of ordinary narrative passages of English.

The following are the prescribed texts:—

1897: XENOPHON, *Anabasis* I, Chaps. I-VIII; HOMER, *Iliad* I, *Odyssey* XI; DEMOSTHENES, *Pro Phormione, Contra Cononem* (Paley and Sandys' *Private Orations*, Part II).

1898: XENOPHON, *Anabasis* I, Chaps. I-VIII; HOMER, *Iliad* VI, *Odyssey* XIII; DEMOSTHENES, *Pro Phormione, Contra Cononem* (Paley and Sandys' *Private Orations*, Part II).

## Latin.

Translation into English of passages from prescribed texts.  
 Translation at sight of passages of average difficulty.  
 Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of ordinary narrative passages of English.

The following are the prescribed texts:—

1897: CÆSAR, *Bellum Gallicum* II, III, IV; VIRGIL, *Æneid* III; HORACE, *Odes* I, II; LIVY, XXII.

1898: CÆSAR, *Bellum Gallicum* II, III, IV; VIRGIL, *Æneid* I; HORACE, *Odes* I, II; CICERO, *In Catilinam* I, II, III, IV, and *Pro Archia*.

## Mathematics.

ALGEBRA: Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions; Square Root; Simple Equations of one, two and three unknown quantities; Indices; Surds; Quadratics of one and two unknown quantities; Theory of Divisors; Ratio, Proportion, and Variation; Progressions; Notation; Permutations and Combinations; Binomial Theorem; Interest Forms; Annuities.

GEOMETRY: Euclid, Books I, II, III, IV, and VI; Definitions of Book V; Deductions.

TRIGONOMETRY: Trigonometrical ratios with their relations to each other; Sines, etc., of the sum and difference of angles with deduced formulas; Use of Logarithms; Solution of Triangles; Expressions for the area of Triangles; Radii of circumscribed, inscribed, and escribed circles.

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**French.**

The prescription of work in Grammar, Composition and Sight Translation is the same for Honors as for the General course, but the examination will be of a more advanced character.

The following are the prescribed texts :—

1897 : DE MAISTRE, Voyage autour de ma Chambre ; LABICHE, la Grammaire ; ERCKMANN-CHATRIAN, Madame Thérèse ; LABICHE, la Poudre aux Yeux.

1898 : Énault, le Chien du Capitaine ; FEUILLET, la Fée, le Roman d'un jeune Homme pauvre ; LABICHE, Voyage de M. Perrichon.

**German.**

The prescription of work in Grammar, Composition and Sight Translation is the same for Honors as for the General course, but the examination will be of a more advanced character.

The following are the prescribed texts :—

1897 : LEANDER, Träumereien (selected by Van Daell) ; FREYTAG, die Journalisten ; GERSTACKER, Garmelshausen.

1898 : HAUFF, das Kalte Herz, Kalif Storch ; EICHENDORFF, Aus dem Leben eines Taugenichts ; WILHELM, Einer muss heiraten ; BENEDIX, Eigensinn.

**English.**

COMPOSITION : An essay, to which special importance will be attached, on one of several themes set by the examiner.

LITERATURE : The candidate will be expected to have memorized some of the finest passages, and to have read carefully both prose and poetry outside of the specified work. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art :

**1897.**

GOLDSMITH : The Traveller, The Deserted Village.

BYRON : Fourth Canto of Childe Harold.

MILTON : Comus.

SHAKESPEARE : Macbeth, As You Like It.

The following selections from Palgrave's Golden Treasury :—

WORDSWORTH : "She was a Phantom of Delight," The Green Linnet, To the Cuckoo, and the following Sonnets : England and Switzerland, Upon Westminster Bridge, The Inner Vision.

KEATS : Ode to Autumn, Ode to a Nightingale, and the following Sonnets : On Chapman's Homer, The Terror of Death, The Human Seasons.

SHELLEY : Ozymandias, To a Skylark, The Recollection.

SCOTT : The Outlaw, Jock o' Hazeldean, The Rover, Rosabelle.

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TENNYSON: Morte D'Arthur, Elaine, Recollections of the Arabian Nights, To Virgil, Early Spring, Ulysses, "You Ask Me Why," "Of Old Sat Freedom," "Love Thou Thy Land," Freedom, (Enone, The Lotos Eaters, Crossing the Bar, Lady of Shalott, St. Agnes Eve, Sir Galahad, the six interlude songs in the Princess, and "Tears, Idle Tears."

MILTON: L'Allegro, Il Penseroso, Lycidas, On the Morning of Christ's Nativity.

SHAKESPEARE: Julius Caesar, The Tempest.

The following selections from Palgrave's Golden Treasury:—

GRAY: Ode on Vicissitude, Ode on the Spring, Elegy written in a Country Churchyard, Ode on Eton College.

COWPER: Sonnet to Mary Unwin, To the Same, The Castaway, The Poplar Field, The Shrubbery.

### History.

English History from the discovery of America to 1763.

Outlines of Roman History to the death of Augustus, and of Greek History to the battle of Chaeronea.

The Geography relating to the History prescribed.

### Physics.

An experimental course defined as follows:—

MECHANICS: Uniformly accelerated rectilinear motion, particularly under gravity; composition and resolution of forces; triangle and parallelogram of forces; friction; polygon of forces; with easy examples.

HYDROSTATICS: Fluid pressure at a point; pressure on a horizontal plane; pressure on an inclined plane; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not; transmission of pressure; Bramah's press; equilibrium of liquids of unequal density in a bent tube; the barometer; air-pump; water-pump, common and force; siphon.

ELECTRICITY: Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltameter; astatic and tangent galvanometers; simple notions of potential; Ohm's law, with units; best arrangement of cells; electric light, arc and incandescent; magnetism; inclination and declination of compass; current induction; induction coil; dynamo and motor; electric bell; telegraph; telephone; electroplating.

SOUND: Caused by vibrations; illustration of vibrations, pendulums, rods, strings, membranes, plates, columns of air; propagated by waves; its velocity; determination of velocity; pitch; standard forks, acoustical,  $C = 512$ , musical,  $A = 870$ ; intervals; harmonic scale; diatonic scale; equally tempered scale; vibration of air in open and closed tubes, with wave-lengths; resonators; nodes and loops; vibration of strings and wires; reflection of sound; manometric flames.

LIGHT: Rectilinear propagation; image through a pin-hole; beam, pencil; photometry; shadow and grease-spot photometers; reflexion and scattering of light; laws of reflection; images in plane mirrors; multiple images in in-

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clined mirrors; concave and convex mirrors; drawing images; refraction; laws and index of refraction; total reflexion; path through a prism; lenses; drawing image produced by a lens; simple microscope; dispersion and color spectrum; recombination of white light.

#### Chemistry.

Chemical Theory. The practical study of the following elements, with their most characteristic compounds, in illustration of Mendelejeff's Classification of the Elements: Hydrogen; Sodium, Potassium; Magnesium, Zinc; Calcium, Strontium, Barium; Boron, Aluminium; Carbon, Silicon, Tin, Lead; Nitrogen, Phosphorus, Arsenic, Antimony, Bismuth; Oxygen, Sulphur; Fluorine, Chlorine, Bromine, Iodine; Manganese, Iron. Elementary Qualitative Analysis.

#### Biology.

1. ELEMENTS OF ZOOLOGY: Thorough examination of the external form, the gills, and the viscera of some common fish. Study of the prepared skeleton of the same. Demonstration of the arrangement of the muscular and nervous systems and the sense-organs, as far as these can be studied without the aid of the microscope.

Comparison of the structure of the frog with that of the fish. The skeleton of the pectoral and pelvic girdles, and of the appendages of the frog, should be studied and the chief facts in the development of its spawn observed, till the adult form is attained.

Examination of the external form of a turtle and a snake.

Examination of the structure of a pigeon or a fowl.

Study of the skeleton, and also of the teeth and viscera of a cat or dog.

Study of the crayfish as a type of the Arthropods.

Comparison of the crayfish with an insect (grasshopper, cricket or cockroach); also with a millipede and a spider.

Examination of an earthworm and a leech.

Study of a fresh-water mussel and a pond-snail.

The principles of zoological nomenclature as illustrated by some of the common fresh-water fish, such as the sucker and herring, bass and perch.

Study of an amoeba, or paramecium as a type of a unicellular animal.

The modifications of the form of the body in vertebrates in connection with different methods of locomotion.

2. ELEMENTS OF BOTANY: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated, and representatives of the chief subdivisions of cryptogams, such as a fern, a lycopod, a horsetail, a liverwort, a moss, a lichen, a mushroom and a chara.

An elementary knowledge of the microscopic structure of the Bean and the Maize. Attention will be given in the examination to drawing and description of parts of plants supplied, and to the classification of these. Comparison of different organs, morphology of root, stem, leaves and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization, and the nature of fruit and seeds.

### UNDERGRADUATE GENERAL COURSE.

The subjects to be taken by those pursuing the General course, with the options permitted, are set forth in the following schedule:—

FIRST YEAR... English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Ancient History; Mathematics; Physics or Biology.

SECOND YEAR... English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Mediaeval History; Logic; Psychology; Chemistry or Geology.

THIRD YEAR... English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Modern History; English Constitutional History; Ethics; Physics.

FOURTH YEAR... English; Latin; any two of the following languages, viz., Greek, French, German, Hebrew; Modern History as for Honors; Economics; Canadian Constitutional History; History of Philosophy; Astronomy.

NOTE.—At the examination of 1897, candidates of the Fourth year who have taken Greek shall be allowed to proceed to their degree without the additional optional language.

#### First Year.

##### English.

SHAKESPEARE.—Critical reading of the following plays:—

1897: *As You Like It*, *Macbeth*.

1898: *Julius Cæsar*, *The Tempest*.

COMPOSITION: The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as Term Work. Provision will be made by a special paper in English Composition for the examination of candidates for Senior Matriculation who are not in attendance, and who have not presented the essays required.

##### Latin.

1897: *LIVY*, XXII, and *HORACE*, Odes, Bks. I, II.

1898: *CICERO*, *In Catilinam*, I, II, III, IV, and *Pro Archia*, and *HORACE* Odes, Bks. I, II.

Questions will be added to the author papers on Grammar and Prosody and on the subject-matter of the books.

Latin Grammar; Latin Composition; Latin sight translation (prose authors).

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**Greek.**

1897: HOMER, *Odyssey*, Bks. XI, XII; DEMOSTHENES, *Pro Phormione*, *Contra Cononem*.

1898: HOMER, *Odyssey*, Bks. XIII, XIV; DEMOSTHENES, *Pro Phormione*, *Contra Cononem*.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of Fletcher and Nicholson's *Greek Prose Exercises*.

**French.**

Grammar; dictation; translation from English into French; translation at sight from easy modern French prose.

**German.**

Grammar; dictation; translation from English into German; translation at sight from easy modern German prose.

**Hebrew.**

Essentials of Hebrew grammar; translation from English into Hebrew; outlines of ancient Semitic history and geography.

Translation into English of Genesis I-VI, XXXVII, XXXIX, XL, with grammatical analysis, parsing and vocabulary.

**Ancient History.**

General History of Greece to B.C. 336. (Oman's *History of Greece*).

General History of Rome to A.D. 476. (Pelham's *Outlines of Roman History*).

**Mathematics.**

ALGEBRA: Simple equations of one, two and three unknown quantities; quadratic equations of one and two unknown quantities; elementary treatment of variation, proportion, and progressions; interest forms and annuities.

EUCLID: Bks. IV, VI, and definitions of Bk. V; deductions.

PLANE TRIGONOMETRY: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; solution of triangles, expressions for the area of triangles; radii of circumscribed, inscribed and escribed circles.

**Physics.**

Elementary Physics (Mechanics, Hydrostatics and Heat).

**Biology.**

Elementary Biology.



**Second Year.****English.**

COMPOSITION: The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as Term Work.

1897: MILTON, Hymn on the Nativity, L'Allegro, Il Penseroso, Comus, Lycidas, Sonnets.

1898: SCOTT, Lay of the Last Minstrel, Lady of the Lake, Old Mortality.

**Latin.**

1897: LIVY, III, and CATULLUS (Simpson's Selections).

1898: LIVY, III, and CATULLUS (Simpson's Selections).

Questions will be added to the author papers on Grammar and Prosody and the subject-matter of the books.

Latin Grammar; Latin Composition; Latin sight translation (prose authors).

**Greek.**

1897: EURIPIDES, Medea; PLATO, Republic, Bk. I.

1898: EURIPIDES, Alceste; PLATO, Republic, Bk. I.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of Fletcher and Nicholson's Greek Prose Exercises.

**French.**

Grammar; dictation; translation from English into French; translation at sight from modern French prose.

**German.**

Grammar; dictation; translation from English into German; translation at sight from modern German.

**Hebrew.**

Hebrew Grammar, with special attention to syntax; translation at sight; translation of English into Hebrew; outlines of Hebrew literature and history.

Exodus I-V; Ruth; 1 Samuel XVII; 1 Kings V, VIII; 2 Kings XVIII, XIX; Psalms I, II, VIII, XIX, XXIII.

**History.**

The chief movements in European History from A.D. 300 to 1453, including the continuous History of England.

**Logic.**

Formal and inductive.

**Psychology.**

Sensation, Thought, Emotion, Volition.

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**Chemistry.**

Elementary Chemistry.

**Geology.**

Elementary Geology and Physical Geography.

**Third Year.****English.**

1897: **SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.**—An outline of the history of literature from Wyatt and Surrey to the death of Dryden, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I; SHAKESPEARE, *Romeo and Juliet*, *As You Like It*, *Macbeth*; BACON, *Advancement of Learning*, Book I; HERRICK, the selections in *Palgrave's Golden Treasury*; MILTON, *Areopagitica*, *Comus*, *Paradise Lost*, Books I, II, III; Dryden, *Absalom and Achitophel*.

1898: **EIGHTEENTH CENTURY LITERATURE.**—The History of English Literature from the death of Dryden to the death of Burns, with special study of the following works:—

ADDISON, selections in the *Golden Treasury Series*; SWIFT, *Gulliver's Travels*, Books I and II; POPE, *The Rape of the Lock*, *Prologue to the Satires*; THOMSON, *Summer*; DEFOE, *Robinson Crusoe*, Chaps. I-XXVII; JOHNSON, *Vanity of Human Wishes*, *Lives of Addison and Pope*; GOLDSMITH, *The Deserted Village*, *Vicar of Wakefield*; COWPER, *The Task*, Book IV; and the selections from Collins, Gray, Burns and Cowper, in *Palgrave's Golden Treasury*.

**Latin.**

1897: CICERO, *Pro Muraena*, and HORACE, *Epistles*, Bks. I, II (1 and 2).

1898: CICERO, *Pro Cluentio*, and HORACE, *Epistles*, Bks. I, II (1 and 2).

Questions will be added to the author papers on Grammar and Prosody and on the subject-matter, style, and literary history of the books.

Latin Grammar; Latin Composition; Latin sight translation.

**Greek.**

1897: ARISTOPHANES, *Clouds*; DEMOSTHENES, *Three Olynthiacs*, the orations for the Megalopolitans and for the Rhodians.

1898: ARISTOPHANES, *Clouds*; DEMOSTHENES, *Three Philippics*.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of Fletcher and Nicholson's *Greek Prose Exercises*.

**French.**

Grammar; dictation; pronunciation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

BOSSUET: Oraisons funèbres (Henriette de France); VOLTAIRE, Zadig; BERNARDIN DE SAINT-PIERRE, Paul et Virginie; PIERRE LOTI, Pêcheur d'Islande; ALPHONSE DAUDET, Contes choisis (Jenkins' edition).

**German.**

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature as follows:—

1897: From 1700.

1898: To 1700.

An examination on the following texts:—

1897: GOETHE, Iphigenie, Hermann und Dorothea; STORM, Aquis Submersus.

1898: LESSING, Minna von Barnhelm; SCHILLER, Braut von Messina; RIEHL, die Ganerben, die Gerechtigkeit Gottes; HEYSE, der verlorene Sohn.

**Hebrew.**

Composition and sight translation. General introduction to the prophetic writings.

Isaiah I-VI, XL-XLV; Jeremiah IV-VIII; Nahum; Haggai.

**Modern History.**

The chief movements in European and American History from 1453 A.D., to 1878, including the continuous history of England, the United States and Canada.

**Constitutional History.**

English Constitutional History.

**Ethics.**

Theory of Obligation; Ethical Systems.

**Physics**

Elementary Physics (Acoustics and Physical Optics).

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## Fourth Year.

## English

1897: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE.—An outline of the history of literature from Wyatt and Surrey to the death of Dryden, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I; SHAKESPEARE, *Romeo and Juliet*, *As You Like It*, *Macbeth*; BACON, *Advancement of Learning*, Book I; HERRICK, The selections in *Palgrave's Golden Treasury*; MILTON, *Areopagitica*, *Comus*, *Paradise Lost*, Books I, II, III; DRYDEN, *Absalom and Achitophel*.

1898: NINETEENTH CENTURY LITERATURE.—A general acquaintance with the character of the works of the following writers, together with a special study of the specified selections:—

SCOTT, *Lay of the Last Minstrel*, *Waverley*; SHELLEY, *Alastor*, *Adonais*; GEORGE ELIOT, *Silas Marner*; THACKERAY, *Pendennis*; TENNYSON, *In Memoriam*; BROWNING, *My Last Duchess*, *The Lost Leader*, *In a Year*, *A Woman's Last Word*, *Song from James Lee* ("O good, gigantic Smile"), *Meeting at Night*, *Home Thoughts from Abroad*, *Up at a Villa*, *Fra Lippo Lippi*, *Andrea del Sarto*, *The Bishop Orders His Tomb*, *Two in the Campagna*, *Prospect*, *The Grammarian's Funeral*, *An Epistle, Caliban upon Setebos*, *Saul*, *Rabbi Ben Ezra*, *Epilogue*; MATTHEW ARNOLD, *The Function of Criticism*, *Culture and Anarchy*, *The Study of Poetry*, *Sohrab and Rustum*, *The Scholar-Gypsy*, *Switzerland*, *The Strayed Reveller*; together with the selections from *Scott and Shelley in Palgrave's Golden Treasury*.

## Latin.

1897: VIRGIL, *Aeneid*, Bks. V, VI, and SALLUST, *Catiline*.

1898: VIRGIL, *Aeneid*, Bks. V, VI, and SALLUST, *Catiline*.

Questions will be added to the author papers on *Grammar and Prosody* and on the subject-matter, style, and literary history of the books.

Latin Grammar; Latin Composition; Latin sight translation.]

## Greek.

1897: PLATO, *Gorgias*.

1898: PLATO, *Gorgias*.

Greek Grammar; translation at sight of easy passages of Greek; translation from English into Greek, involving a knowledge of *Fletcher and Nicholson's Greek Prose Exercises*.

## French.

Grammar; dictation; pronunciation; translation from English into French; translation at sight from modern French.

An examination on the following texts:—

LA FONTAINE, *Fables*, Book II; RACINE, *Andromaque*; MOLIÈRE, *L'Avare*; HUGO, *Hernani*; AUGIER, *le Gendre de Monsieur Poirier*; COPPÉE, *les Humbles*.

**German.**

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature as follows:—

1897: LESSING, Emilia Galotti; BÜRGER and SCHILLER, Balladen (Golden Treasury Series); GOETHE, Sesenheim (Heath & Co.); GRIMM, Der Landschaftsmaler.

1898: SCHILLER, Wilhelm Tell; GOETHE, Knabenjahre (Pitt Press); MEYER, Gustav Adolphs Page; STORM, Immensee.

**Hebrew.**

Composition and sight translation. General principles and laws of Hebrew poetry.

Psalms XXIV, XXV, XXIX, XLV, XC-XCIV, CXXI-CXXVII; Proverbs I-V, VIII, XXV; Job III-V; Ecclesiastes XII; Lamentations I.

**Modern History.**

The chief movements in European and American History from 1763 to 1878, including, (a) the continuous History of England, the United States and Canada, and (b) the Philosophy of History.

Candidates in the General course are to take the Honor work of the Fourth year, omitting the selected period for special study. They will be expected to show more minute knowledge of the period than is required in the earlier years.

**Economics.**

The Elements of Economics.

**Constitutional History.**

Canadian Constitutional History.

**History of Philosophy.**

Modern Philosophy (Descartes to Kant).

**Astronomy.**

The Elements of Astronomy.

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## UNDERGRADUATE HONOR COURSE.

### DEPARTMENT OF CLASSICS.

*Additional Requirments*.—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below:

FIRST YEAR....English; Mathematics; French or German or Hebrew; Physics or Biology.

SECOND YEAR....History; Psychology or Logic.

#### First Year.

##### Greek.

1897: HOMER, *Odyssey*, XI, XII, XIII, XIV; DEMOSTHENES, *Contra Cononem* and *Pro-Phormione* (Paley & Sandy's *Private Orations*, Part II); HERODOTUS, II.

1898: HOMER, *Odyssey*, XIII, XIV, XV, XVI; DEMOSTHENES, *Contra Cononem* and *Pro Phormione* (Paley & Sandy's *Private Orations*, Part II); HERODOTUS, II.

Greek Grammar; translation at sight from Greek authors; translation from English into Greek Prose; Greek History (Oman's *History of Greece*).

##### Latin.

1. Composition. 2. Sight translation. 3. Grammar, including Prosody. 4. VIRGIL, *Aeneid*, Bks. V, VI, and CICERO, *Philippic II*. 5. CICERO, *Speeches for Cluentius, Muraena, and Sestius*. 6. Pelham's *Outlines of Roman History*.

The questions in (3) will be based on the prescribed authors; (4) and (5) will include questions on the contents, style, and literary history of the books.

#### Second Year.

##### Greek.

1897: EURIPIDES, *Medea*; ARISTOPHANES, *Wasps*; SOPHOCLES, *Antigone*; THUCYDIDES, I; PLATO, *Republic*, I.

Greek Grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek History to B.C. 421 (Oman's *History of Greece*); Grote's *Greece*, Part II, chapters VI, XI, XXX, XXXI, XLV, XLVI.

**Latin.**

1. Composition. 2. Sight translation. 3. Grammar, including Prosody. 4. LIVY, Bks. III, IV, V, VI. 5. VIRGIL, *Æneid*, Bks. VII, VIII, IX, and HORACE, Odes, III, IV, *Carmen Seculare*, Epistles, and *Ars Poetica*. 6. Roman History to B.C. 266, Mommsen, Bks. I, II, and Fustel de Coulanges' *La Cité Antique*.

The questions in History will be based as far as possible on the LIVY in (4), and will have reference mainly to the constitutional struggles from 509 to 287, B.C.; (4) and (5) will include questions on the contents, style, and literary history of the books. In connection with (5) students will read Sellar's *Horace* (in the Roman Poets of the Augustan Age).

**Third Year.****Greek.**

1. PLATO, *Republic*, Bks. I-V, inclusive. 2. ARISTOTLE, *Ethics*, Bks. I-IV, inclusive, and Bk. X, chap. VI to end, inclusive. 3. SOPHOCLES, *Ajax*, and THUCYDIDES, Bk. III. 4. PINDAR, *Olympian Odes*, I, II, VI, VII. 5. ARISTOPHANES and DEMOSTHENES, as follows:—

1897: ARISTOPHANES, *Clouds*; DEMOSTHENES, *The Olynthiacs*, the orations for the Megalopolitans and for the Rhodians.

1898: ARISTOPHANES, *Clouds*; DEMOSTHENES, *Three Philippics*.

Greek Grammar and Philology (King and Cookson, small edition, omitting syntax); translation at sight from Greek authors; translation from English into Greek prose; Greek History from B.C. 421 to B.C. 362 (Oman's *History of Greece*; Grote's *History of Greece*, Chaps. LXVII and LXVIII); Greek Philosophy, up to Aristotle (Mayor's *History of Ancient Philosophy*; Marshall's *History of Greek Philosophy*, but the questions will be chiefly based on the books read).

**Latin.**

1. Composition. 2. Sight translation. 3. Grammar and Philology (King & Cookson, small edition, omitting syntax). 4. HORACE, *Satires*; JUVENAL, *Satires I-XIII* (except II, IV, VI, IX); PERSIUS, *Satire I*, with the history of Roman *Satire*. 5. LIVY, Bks. XXI, XXII, XXXIX; VIRGIL, *Æneid*, Bks. X, XI, XII. 6. CICERO, *De Natura Deorum*, Bk. II, and TACITUS, *Annals*, Bks. I, II, III, IV. 7. Roman History from B.C. 266 to B.C. 78 (Mommsen, Bks. III, IV). 8. Post-Aristotelian Philosophy (Mayor's *History of Ancient Philosophy* and Marshall's *History of Greek Philosophy*). In connection with (4) students will read SELLAR'S *Roman Poets of the Republic*, chapter VIII; SELLAR'S *Horace*, chapter II, and INGER'S *Roman Society in the First Century, A.D.*

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## Fourth Year.

## Greek.

1. Prose Composition. 2. Sight translation. 3. ÆSCHYLUS, Agamemnon; HOMER, Iliad, I, VI, IX, XXII-XXIV; THEOCRITUS, Idylls, I, VII, VIII, XIII, XIV, XV, XXI. 4. PLATO, Republic and Apology. 5. THUCYDIDES, I, II, III, VI, VII, VIII; HERODOTUS, VII, VIII, IX. 6. ARISTOTLE, Ethics, I-IV and Bk. X, chap. 6 to end; Politics, II; Greek History: the questions will be based on the authors read and on the period covered by these authors, and on Grote's History, Part I, chaps. XV, XVI, XVII, XX, XXI. 7. Greek Philosophy: questions will be based on the prescribed portions of Plato and Aristotle, and on Greek Philosophy generally up to Aristotle's time; Zeller's Outlines of the History of Greek Philosophy, p. 1-227. 8. ARISTOTLE, Poetics, with the history of the Greek genius and Greek poetry, so far as covered by the following books: Butcher's Aspects of Greek Genius (2nd edition), Matthew Arnold's Essays on translating Homer, Butcher's Essays in his edition of the Poetics, Jebb's Growth and Influence of Classical Greek Poetry. 9. ARISTOTLE'S Politics, Books IV and VIII, in the arrangement of Hicks-Susemihl (IV and VII in Newman; VII and V in Jowett), with questions on Warde Fowler's City State, Fustel de Coulanges' La Cité Antique and Sidgwick's Elements of Politics; or Comparative Syntax, Greek and Latin (*vide* Latin programme below for details).

## Latin.

1. Composition. 2. Sight translation. 3. LUCRETIUS, Bks. I, III; VIRGIL, Æneid, Bucolics, and Georgics, with Sellar's essays on both authors. 4. SALUST, Catiline; CICERO, Letters (Watson's Selection); TACITUS, Annals I-VI; Monumentum Ancyranum (Mommsen, second edition). 5. CICERO, De Finibus, I-IV; Academica. 6. Roman History, from B.C. 78 to A.D. 37; Mommsen, Bk. -V; Merivale, Vols. III, IV and V; Bryce's Holy Roman Empire. The questions will be based as far as possible on the books read in (4). 7. Philosophy: Zeller's Stoics, Epicureans, and Sceptics. The questions will be based as far as possible on the books read in (5). 8. QUINTILIAN, Bk. X. Questions will be set on the history of Roman Poetry (except Satire) to A.D. 120, and on the influence of Roman upon English Literature, so far as covered by the following books: Sellar's Essays on Lucretius, Virgil and Horace and Tyrrell's Roman Poetry. 9. The paper described under (9) in the Greek course or a paper on Descriptive and Comparative Syntax of the Greek and Latin Languages dealing with i., the substantive—number, gender and case; ii., the verb—voice, mood and tense; iii., particles and prepositions. Students will use Thompson's Greek Syntax; Goodwin's Greek Moods and Tenses, and the Latin Grammars of Gildersleeve and Roby.

[NOTE.—The Education Department of Ontario accepts an honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Classics.]



## DEPARTMENT OF MODERN LANGUAGES.

*Additional requirements*.—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below :

FIRST YEAR.....Latin ; Mathematics ; Physics or Biology.

SECOND YEAR....Latin ; History ; Psychology.

THIRD YEAR....History.

*Term Work in Honors*.—Every candidate for Honors in this Department shall, during the Fourth Year of his course, write an essay on some subject connected with the work of the Department, such subject to be previously approved by the professor of the branch of study selected by the candidate. This essay shall, on or before the 1st of April in each year, be laid before the Professors and Lecturers in the Department of Modern Languages in the University of Toronto, University College and Victoria University, who shall examine the essay and assign marks according to their judgment of its merit. These marks shall be reported to the Registrar, and shall be taken into account by the Examiners in determining the standing of the candidate at the Examination of the Fourth year.

*Options in Honors*.—Candidates for Honors in this Department are allowed options in the various years, according to the following schedule :

FIRST YEAR.....Italian or Spanish.

SECOND YEAR....Italian or Spanish.

THIRD YEAR....Italian or Spanish or Honor Modern History (the last option for specialist standing, Education Department).

FOURTH YEAR....Old English or Italian or Spanish or Honor Modern History together with a paper on Historical English Grammar (the last option for specialist standing, Education Department).

### First Year.

#### Phonetics.

An elementary knowledge of physiological phonetics will be required, and of its bearing upon the sounds of the various languages studied.

#### English.

SHAKESPEARE: Critical reading of the following plays :—

1897 : As You Like It, Macbeth, Lear.

1898 : Julius Caesar, The Tempest, Henry IV., Part I.

COMPOSITION : The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

PROSE AND RHETORIC: Reading of the following Essays in connection with the study of Rhetoric:—

1897: ARNOLD, Sweetness and Light; MORLEY, Popular Culture; FROUDE, Science of History; FREEMAN, Race and Language.

1898: IRVING, Mutability of Literature; LAMB, Imperfect Sympathies; LOWELL, A Certain Condescension in Foreigners; GLADSTONE, Kin Beyond the Sea.

#### French.

Grammar; dictation; pronunciation; translation from English into French; translation at-sight from modern French.

#### German.

Grammar; dictation; pronunciation; translation from English into German; translation at sight from modern German; outlines of the history of German literature as follows:—

1897: From 1700.

1898: To 1700.

#### Italian.

A written examination on grammar; the translation of easy passages from English into Italian; the translation at sight of easy modern Italian prose; dictation.

An oral examination in Italian, as a test of pronunciation, and of ability to understand easy modern narrative and to answer questions based thereon.

#### Spanish.

A written examination on grammar; the translation of easy passages from English into Spanish; the translation at sight of easy modern Spanish prose; dictation.

An oral examination in Spanish, as a test of pronunciation, and of ability to understand easy modern narrative and to answer questions based thereon.

### Second Year.

#### English.

COMPOSITION: The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

VERSIFICATION: A knowledge of the Elementary Principles, such as is to be found in Gummere's Poetics, Part III.

1897: MILTON, Hymn on the Nativity, L'Allegro, Il Penseroso, Comus, Lycidas, Sonnets, Arcopagitica; RUSKIN, Sesame and Lilies; CHAUCER, Tale of the Man of Law, The Second Nun's Tale, The Pardoner's Tale.

1898: SCOTT, Lay of the Last Minstrel, Lady of the Lake, Old Mortality; BURKE, Conciliation with America; THACKERAY, De Juventute, Nil Nisi Bonum, De Finibus, Round about the Christmas Tree, On Lett's Diary, The Last Sketch; CHAUCER, Nun's Priest's Tale, Sir Thopas, The Clerk's Tale.

### French.

Grammar; composition and conversation in French; translation from English into French; translation at sight from modern French.

History of French literature in the 17th century, and outlines of the preceding periods.

An examination on the following texts:—

CORNEILLE, le Cid; RACINE, Iphigénie; BOILEAU, l'Art poétique, Cantos I and II; LA FONTAINE, Fables, Book I; LA BRUYÈRE, Caractères (de la cour); BOSSUET, Oraisons funèbres (Henriette de France); MOLIÈRE, les Précieuses ridicules, le Misanthrope, l'Avare, le Bourgeois gentilhomme.

### German.

Grammar; dictation; an oral examination; translation from English into German; translation at sight; outlines of the history of German literature as follows:—

1897: From 1700.

1898: To 1700.

An examination on the following texts:—

1897: LESSING, Emilia Galotti; BÜRGER, SCHILLER, Balladen (Golder Treasury Series); GOETHE, Sesenheim (Heath & Co.); GRIMM, Der Landschaftsmaler.

1898: SCHILLER, Wilhelm Tell; GOETHE, Knabenjahre (Pitt Press); MEYER, Gustav Adolphs Page; STORM, IMMENSEE.

### Italian.

A written examination on grammar; the translation of English into Italian; the translation at sight of modern Italian; dictation; composition in Italian on familiar topics; outlines of the history of Italian literature.

An oral examination in Italian, as a test of pronunciation, and of ability to understand modern prose and to answer questions based thereon.

### Spanish.

A written examination on grammar; the translation of English into Spanish; the translation at sight of modern Spanish; dictation; composition in Spanish on familiar topics; outlines of the history of Spanish literature.

An oral examination in Spanish, as a test of pronunciation, and of ability to understand modern prose and to answer questions based thereon.

NOTE.—Third year candidates also will be examined on this work in 1897, instead of the work prescribed below for the Third year.

## Third Year.

## English.

1897: SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE: An outline of the history of literature from Wyatt and Surrey to the death of Dryden, with special study of the following works:—

SPENSER, *Faerie Queen*, Book I; SHAKESPEARE, *Romeo and Juliet*, *As You Like It*, *Macbeth*; BACON, *Advancement of Learning*, Book I; MILTON, *Areopagitica*, *Comus*, *Paradise Lost*, Books I, II, III; DRYDEN, *Absalom and Achitophel*; together with the first two books of Palgrave's *Golden Treasury*, and the extracts from Lyly to Dryden (inclusive) contained in Garnett's *English Prose Selections*.

OLD ENGLISH: Sweet's *Anglo-Saxon Reader* (7th edition), Secs. II, IV, VI, VIII, XIII, XV, XXIV, XXVI, or Bright's *Anglo-Saxon Reader*, Secs. V, VI, VIII, XIV, XVI, XXIII, XXIV (ll. 1-84).

1898: EIGHTEENTH CENTURY LITERATURE: The history of English literature from the death of Dryden to the death of Burns, with special study of the following works:—

ADDISON, *Selections in the Golden Treasury Series*; SWIFT, *Gulliver's Travels*, Books I and II; POPE, *The Rape of the Lock*, Prologue to the *Satires*; THOMSON, *Summer*; BERKELEY, *Principles of Human Knowledge*, Pt. I, Secs. 1-82; BUTLER, *Analogy*, Pt. I, Chaps. 2 and 3, Pt. II, Chap. 8, and Conclusion; HUME, *Essays on Eloquence and Tragedy*; DEFOE, *Robinson Crusoe*, Chaps. I-XXVII; JOHNSON, *Vanity of Human Wishes*, Preface to Shakespeare, *Lives of Addison and Pope*; GOLDSMITH, *The Deserted Village*, *Vicar of Wakefield*; GIBBON, *Decline and Fall*, Chaps. 68 and 71; BURKE, *Conciliation with America*; COWPER, *The Task*, Book IV; and the selections from Collins, Gray, Burns and Cowper, in Palgrave's *Golden Treasury*.

OLD ENGLISH: Sweet's *Anglo-Saxon Reader* (7th edition), Secs. III, V, XIV, XVI, XXIII.

## French.

Grammar; composition and conversation in French; translation from English into French; translation at sight from modern French; Old French Grammar; elements of French phonology; history of French literature from 1715 to 1820. An examination on the following texts:—

VOLTAIRE, *Zadig*, *Zaire*, *la Henriade* (Cantos I-V); ROUSSEAU, *Pages choisies des grands Écrivains*, J. J. Rousseau, par Rocheblave, Parts III and IV; DIDEROT, *Extraits à l'usage des classes supérieures* par Fallex, Part III; FONTENELLE, *Entretiens sur la pluralité des mondes*, I, II, III; BEAUMARCHAIS, *le Barbier de Séville*; LE SAGE, *Turcaret*; ANDRÉ CHÉNIER, *Poésies choisies*, par Becq de Fouquières, *Hymnes et Odes*; CHATEAUBRIAND, *Atala*; MADAME DE STAEL, *de l'Allemagne*, Part I; CHANSON DE ROLAND, lines 1-365 (Clédat's edition).

**German.**

Grammar; an oral examination, which shall also test the candidate's ability to carry on a simple conversation in German; translation at sight; translation from English into German, and an original essay in German; a general acquaintance with German literature, from Gottsched to the death of Schiller, with special reference to the following authors and works:—

1897: KLOPSTOCK, *Messias*, Canto II; LESSING, *Emilia Galotti*; Nathan der Weise; HERDER, *kleinere Prosaschriften*, I, II, III (Velhagen und Klasing); SCHILLER, *Lyrical Poems* (Turner and Morshead); GOETHE, *Gotz von Berlichingen*; *Poems* (Hartleben, Goethe-Brevier, pp. 1-197); *Faust*, Part I.

1898: KLOPSTOCK, *Selected Odes* (Göschel); WIELAND, *Oberon*, 8 and 9; LESSING, *Prosa in Auswahl*, III, IV (Göschel); BÜRGER, SCHILLER, *Balladen* (Gold. Treas.); HERDER, *Ausgewählte Dichtungen*, III, IV, V (Cotta's Schulausgaben Deutscher Klassiker); SCHILLER, *Die Räuber*, *Wilhelm Tell*; GOETHE, *Poems* (Hartleben, Goethe-Brevier, pp. 1-197), *Iphigenie*, *Hermann und Dorothea*.

**Italian.**

A written examination on grammar; the translation of Italian at sight; dictation; history of Italian literature to the end of the 15th century; and on the following texts:—

DANTE, *Inferno*, Cantos I-V, and *Purgatorio*, Cantos I, II, IX, X, XXX; PETRARCA, extracts in *Torraca's Manuale* (3rd ed.), Vol. I, pp. 233-34 (4 sonnets), pp. 242-43 (canzone), pp. 245-48 (9 sonnets), pp. 248-49 (canzone), pp. 257-60 (canzone), pp. 262-64 (*Trionfo della Morte*); BOCCACCIO, extracts in *Torraca's Manuale*, Vol. I, pp. 332-50, and the extract beginning on p. 332; extracts from various authors, beginning on the following pages of *Torraca's Manuale*, Vol. I: 28, 30, 32, 52, 56, 58, 71, 87, 92, 94, 107, 217, 268, 280, 310, 374, 393, 424-5, 429, 443, 446, 459, 488, 511.

An oral examination in Italian, as a test of pronunciation, and of ability to understand modern prose and to answer questions based thereon.

**Spanish.**

A written examination on grammar; the translation of Spanish at sight; dictation; history of Spanish literature to the death of Cervantes, exclusive of the drama; and on the following texts:—

CERVANTES, *Don Quijote*, Part I, Chaps. I-X, XVI-XVIII; extracts from various authors in the *Curso de Literatura de García Al-Degúer y Giner de los Ríos*, beginning on the following pages: 30, 32, 34, 55, 65, 78, 91, 109, 121, 126, 132, 134, 152, 171, 173, 175 (1st ext.), 181, 226, 242, 243, 248, 253, 264, 267, 269, 310, 311; extracts from various authors in *Keller's Altspanisches Lesebuch*, beginning on the following pages: 1, 50, 70, 92, 106, 111, 130.

An oral examination in Spanish, as a test of pronunciation, and of ability to understand modern prose and to answer questions based thereon.

NOTE.—In 1897, Third year candidates will be examined on the work prescribed above for the Second year.

## Fourth Year.

## English.

1897 : OLD ENGLISH : Beowulf (lines 1-1250) ; Sweet's First Middle English Primer and Historical Grammar.

SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE : An outline of the history of literature from Wyatt and Surrey to the death of Dryden, with special study of the following works :—

SPENSER, Faerie Queen, Book I ; SHAKESPEARE, Romeo and Juliet, As You Like It, Macbeth ; BACON, Advancement of Learning, Book I ; HERRICK, the selections in Palgrave's Golden Treasury ; MILTON, Areopagitica, Comus, Paradise Lost, Books I, II, III ; DRYDEN, Absalom and Achitophel.

1897 and 1898 : THE HISTORY OF THE ENGLISH DRAMA from its origin to the production of Addison's Cato.

The following works are to be studied critically : SHAKESPEARE, Richard III, King John, Hamlet, Othello, The Tempest, Henry VIII.

The following works are to be read carefully\* : Pollard's Miracle Plays, the selections entitled The Fall of Lucifer, Noah's Flood, The Castle of Perseverance, The Pardoner and the Frere ; Gorboduc ; MARLOWE, Tamburlaine, Pt. I, and Edward II ; GREENE, Friar Bacon and Friar Bungay ; SHAKESPEARE, Love's Labour's Lost, Midsummer Night's Dream, Coriolanus ; JOHNSON, Every Man in his Humour ; MILTON, Samson Agonistes ; DRYDEN, All for Love ; ADDISON, Cato.

1898 : OLD ENGLISH : Elene ; Sweet's First Middle English Primer and Historical Grammar.

NINETEENTH CENTURY LITERATURE : A general acquaintance with the character of the works of the following writers, together with a special study of the specified selections. SCOTT, Lay of the Last Minstrel, Waverley ; SHELLEY, Alastor, Adonais ; GEORGE ELIOT, Silas Marner ; THACKERAY, Pendennis ; TENNYSON, In Memoriam ; BROWNING, My Last Duchess, The Lost Leader, In a Year, A Woman's Last Word, Song from James Lee ("O good, gigantic Smile"), Meeting at Night, Home Thoughts from Abroad, Up at a Villa, Fra Lippo Lippi, Andrea del Sarto, The Bishop Orders His Tomb, Two in the Campagna, Prospice, The Grammarian's Funeral, An Epistle, Caliban upon Setebos, Saul, Rabbi Ben Ezra, Epilogue ; MATTHEW ARNOLD, The Function of Criticism, Culture and Anarchy, The Study of Poetry, Sohrab and Rustum, The Scholar-Gypsy, Switzerland, The Strayed Reveller, and the selections from SCOTT and SHELLEY in Palgrave's Golden Treasury.

## French.

Grammar ; composition and conversation in French ; translation from English into French ; translation at sight from French authors of any period ; history of the French language ; history of French literature from 1820 to the present time.

\*In the case of these works, the examination shall be confined to broad literary characterstics, and shall not bear on minute points in regard to text, allusion, or interpretation.

An examination on the following texts:—

LAMARTINE, *Premières Méditations poétiques*, I-XV (Lemerre); HUGO, *Chants du Crépuscule*, I-XX, *Notre-Dame de Paris*, *Hernani*, *Ruy Blas*; BALZAC, *Engélie Grandet*; AUGIER, *le Gendre de Monsieur Poirier*; GEORGE SAND, *la petite Fadette*; ALPHONSE DAUDET, *Tartarin sur les Alpes*; SAINTE-BEUVE, *Portraits littéraires*, Vol. II, *Article on Molière*; LECONTE DE LISLE, *Poèmes barbares*, pp. 1-55, 166-217 (Lemerre).

#### German.

Grammar; an oral examination as in the Third year; translation at sight; translation from English into German; a general acquaintance with German literature, from the death of Schiller to the present day, with special reference to the following authors and works:—

1897: SCHILLER, *Braut von Messina*; GOETHE, *Faust*, Part I, Part II, Acts III, IV, V; GRILLPARZER, *Sappho*; UHLAND, *Ballads* (Gold. Treas.); HEINE, *Selected Poems* (ed. White); AUERBACH, *Diethelm von Buchenberg*; SCHEFFEL, *Ekkehard* (Heath & Co.); HAUPTMANN, *College Crampton*.

1898: SCHILLER, *Wallenstein's Tod*; GOETHE, *Dichtung und Wahrheit*, X, XI; KLEIST, *Fritz von Homburg*; HEINE, *Prose* (Clar. Press); FREYTAG, *Soll und Haben* (Abdg. Crump); SUDERMANN, *die Ehre*; WILDENBRUCH, *Neue Novellen*.

Elements of Middle High German grammar; history of Middle High German literature; an examination on the following texts:—

1897: *Nibelungenlied* (Bartsch), Avv. I, V, XVI, XXIX, XXXVII, XXXIX.

1898: Selections from *Walther von der Vogelweide* and other *Minnesingers* (Götschen).

History of the German language.

#### Italian.

A written examination on grammar; the translation of Italian at sight; dictation; history of Italian literature from Ariosto, inclusive, to the present time; the elements of historical phonology; and on the following texts:—

ARIOSTO, in *Torraca's Manuale* (3rd ed.), Vol. II, pp. 21-22, 24-30; TASSO, in *Torraca's Manuale*, Vol. II, pp. 142-43, 171-74, 179-188, 189-192; extracts from various authors, beginning on the following pages of *Torraca's Manuale*, Vol. II, 122, 125, 131, 139, 141, 198, 214, 218, 222, 238, 248-57, 331, 344, 386; and of Vol. III, beginning on the following pages: 10, 41, 55, 85, 95, 149, 169, 203, 223, 229, 272, 297, 348, 377-78, 428, 442, 457, 507.

An oral examination in Italian, as a test of pronunciation and of ability to understand prose or verse not earlier than Ariosto, and to answer questions based thereon.

#### Spanish.

A written examination on grammar; the translation of Spanish at sight; dictation; history of Spanish literature from Cervantes to the present time, including also the drama previous to 1616; the elements of historical phonology; and on the following texts:—

CALDERON, El Principe Constante; extracts from various authors in the Curso de Literatura de García Al-Deguer y Giner de los Ríos, beginning on the following pages: 43, 57, 201, 205, 281, 300, 315, 320, 326, 331, 340, 347, 365, 372, 384, 426, 429, 434, 478, 514, 521, 527, 541, 543, 551, 567, 585, 596, 641, 682, 711, 721; and the extracts beginning on the following pages of Keller's Altspanisches Lesebuch: 8, 119.

An oral examination in Spanish, as a test of pronunciation, and of ability to understand Spanish prose or verse not earlier than Cervantes, and to answer questions based thereon.

[The Education Department of Ontario accepts an honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the department of Modern Languages and History. See option at head of course.]

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DEPARTMENT OF ENGLISH AND HISTORY.

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*Additional requirements*.—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below:—

FIRST YEAR... French or German or Italian or Hebrew; Mathematics; Biology or Physics.

SECOND YEAR... The language of the Second year selected in the First year; Psychology.

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**First Year.**

**English.**

SHAKESPEARE: Critical reading of the following plays:—

1897: As You Like It, Macbeth, Lear.

1898: Julius Caesar, The Tempest, Henry IV, Part I.

COMPOSITION: The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this portion of the work, but the marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

PROSE AND RHETORIC: Reading of the following Essays in connection with the study of Rhetoric:—

1897: ARNOLD, Sweetness and Light; MORLEY, Popular Culture; FROUDE, Science of History; FREEMAN, Race and Language.

1898: IRVING, Mutability of Literature; LAMB, Imperfect Sympathies; LOWELL, A Certain Condescension in Foreigners; GLADSTONE, Kin Beyond the Sea.



## †Greek.

1897: HOMER, *Odyssey*, XI, XII, XIII, XIV; DEMOSTHENES, *Contra Cononem* and *Pro Phormione* (Paley & Sandy's *Private Orations*, Part II).

1898: HOMER, *Odyssey*, XIII, XIV, XV, XVI; DEMOSTHENES, *Contra Cononem* and *Pro Phormione* (Paley & Sandy's *Private Orations*, Part II).

Greek Grammar; translation at sight from Greek authors; translation from English into Greek prose; Greek History (Oman's *History of Greece*).

## †Latin.

1. Composition. 2. Sight translation. 3. Grammar (including Prosody). 4. VIRGIL, *Æneid*, Bks. V, VI, and CICERO, 2nd *Philippic*. 5. Pelham's *Outlines of Roman History* (to A. D. 476).

The questions in (3) shall be based on the prescribed authors; (4) shall include questions on the contents, style, and literary history of the books.

## Second Year.

## English.

COMPOSITION: The writing of four original compositions in connection with the study of models of prose style. There will be no examination on this part of the work, but marks assigned for compositions written during the term will count as one paper at the Annual Examinations.

VERSIFICATION: A knowledge of the Elementary Principles, such as is to be found in Gummere's *Poetics*, Part III.

1897: MILTON, *Hymn on the Nativity*, *L'Allegro*, *Il Penseroso*, *Comus*, *Lycidas*, *Sonnets*, *Areopagitica*; RUSKIN, *Sesame and Lilies*; CHAUCER, *Tale of the Man of Law*, *The Second Nun's Tale*, *The Pardoner's Tale*.

1898: SCOTT, *Lay of the Last Minstrel*, *Lady of the Lake*, *Old Mortality*; BURKE, *Conciliation with America*; THACKERAY, *De Juventute*, *Nil Nisi Bonum*, *De Finibus*, *Round about the Christmas Tree*, *On Lett's Diary*, *The Last Sketch*; CHAUCER, *The Nun's Priest's Tale*, *Sir Thopas*, *The Clerk's Tale*.

## †Greek.

1897: EURIPIDES, *Medea*; PLATO, *Republic*, I.

1898: EURIPIDES, *Alcestis*; PLATO, *REPUBLIC*, I.

Greek Grammar; translation at sight from Greek author; translations from English into Greek prose.

## †Latin.

1. Composition. 2. Sight translation. 3. Grammar, including Prosody. 4. VIRGIL, *Æneid*, Bks. VII, VIII, IX, and HORACE, *Odes* III, IV, *Carmen Saeculare*, *Epistles*, and *Ars Poetica*, including questions on the contents, style and literary history of the books. Students will read Sellar's *Horace in the Roman poets of the Augustan Age*.

†In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

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**History.**

The chief movements in European History 300 A.D. to 1250, including (a) the continuous History of England, and (b) a special study of the period of the Norman Conquest.

**Third Year.**

**English.**

1897 : SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE : An outline of the history of Literature from Wyatt and Surrey to the death of Dryden, with special study of the following works :—

SPENSER, *Faerie Queen*, Book I ; SHAKESPEARE, *Romeo and Juliet*, *As You Like It*, *Macbeth* ; BACON, *Advancement of Learning*, Book I ; MILTON, *Areopagitica*, *Comus*, *Paradise Lost*, Books I, II, III ; DRYDEN, *Absalom and Achitophel* ; together with the first two books of Palgrave's *Golden Treasury*, and the extracts from Lyly to Dryden (inclusive) contained in Garnett's *English Prose Selections*.

OLD ENGLISH : Sweet's *Anglo-Saxon Reader* (7th edition), Secs. II, IV, VI, VIII, XIII, XV, XXIV, XXVI, or Bright's *Anglo-Saxon Reader*, Secs. V, VI, VIII, XIV, XVI, XXIII, XXIV (ll. 1-84).

1898 : EIGHTEENTH CENTURY LITERATURE : The history of English Literature from the death of Dryden to the death of Burns, with special study of the following works :—

ADDISON, *Selections in the Golden Treasury Series* ; SWIFT, *Gulliver's Travels*, Books I and II ; POPE, *The Rape of the Lock*, Prologue to the *Satires* ; THOMSON, *Summer* ; BERKELEY, *Principles of Human Knowledge*, Pt. I, Secs. 1-82 ; BUTLER, *Analogy*, Pt. I, Chaps. 2 and 3, Pt. II, Chap. 8, and Conclusion ; HUME, *Essays on Eloquence and Tragedy* ; DEFOE, *Robinson Crusoe*, Chaps. 1-27 ; JOHNSON, *Vanity of Human Wishes*, Preface to *Shakespeare*, *Lives of Addison and Pope* ; GOLDSMITH, *The Deserted Village*, *Vicar of Wakefield* ; GIBBON, *Decline and Fall*, Chaps. 68 and 71 ; BURKE, *Conciliation with America* ; COWPER, *The Task*, Book IV ; and the selections from Collins, Gray, Burns and Cowper, in Palgrave's *Golden Treasury*.

OLD ENGLISH : Sweet's *Anglo-Saxon Reader* (7th edition), Secs. III, V, XIV, XVI, XXIII.

**† Greek.**

1897 : ARISTOPHANES, *Clouds* ; DEMOSTHENES, *The Olynthiacs*—the orations for the Megalopolitans and for the Rhodians ; PLATO, *Republic*, Bks. I-V.

1898 : ARISTOPHANES, *Clouds* ; DEMOSTHENES, *Three Philippics* ; PLATO, *Republic*, Bks. I-V.

Translation at sight.

†In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

**\* Latin.**

HORACE, Satires, and JUVENAL, Satires, I-XIII (except II, IV, VI, IX); PERSIUS, Satire I, with the history of Roman Satire; CICERO, De Natura Deorum, Bk. II; TACITUS, Annals, Bks. I, II, III, IV.

Translation at sight.

NOTE.—The author papers will include questions on the contents, style, and literary history of the books. In connection with the Horace and Juvenal students will read Sellar's Roman Poets of the Republic, chap. VIII, Sellar's Horace, chap. II, and Inge's Roman Society in the First Century, A. D.

**History.**

The chief movements in European History A. D. 1250-1763, including (a) the continuous History of England, (b) European effort in America, (c) a special study of the period of Henry VIII.

Essays will be required during the term on topics connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honor standing.

**Fourth Year.****English.**

1897: OLD ENGLISH: Beowulf (lines 1-1250); Sweet's First Middle English Primer and Historical Grammar.

SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE: An outline of the history of literature from Wyatt and Surrey to the death of Dryden, with special study of the following works:—

SPESSER, Faerie Queen, Book I; SHAKESPEARE, Romeo and Juliet, As You Like It, Macbeth; BACON, Advancement of Learning, Book I; HERRICK, The Selections in Palgrave's Golden Treasury; MILTON, Arcopagitica, Comus, Paradise Lost, Books I, II, III; DRYDEN, Absalom and Achitophel.

1897 and 1898: THE HISTORY OF THE ENGLISH DRAMA from its origin to the production of Addison's Cato.

The following works are to be studied critically:—SHAKESPEARE, Richard III, King John, Hamlet, Othello, The Tempest, Henry VIII.

The following works are to be read carefully †:—Pollard's Miracle Plays, the selections entitled The Fall of Lucifer, Noah's Flood, The Castle of Perseverance, The Pardoner and the Frere; Gorboduc; MARLOWE, Tamburlaine, Pt. I,

\* In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

† In the case of these works, the examination shall be confined to broad literary character istics, and shall not bear on minute points in regard to text, allusion, or interpretation.

and Edward II; GREENE, Friar Bacon and Friar Bungay; SHAKESPEARE, Love's Labour's Lost, Midsummer Night's Dream, Coriolanus; JOHNSON, Every Man in His Humour; MILTON, Samson Agonistes; DRYDEN, All for Love; ADDISON, Cato.

1898: OLD ENGLISH: Elene; Sweet's First Middle English Primer and Historical Grammar.

NINETEENTH CENTURY LITERATURE: A general acquaintance with the character of the works of the following writers, together with a special study of the specified selections:—SCOTT, Lay of the Last Minstrel, Waverley; SHELLEY, Alastor, Adonais; GEORGE ELIOT, Silas Marner; THACKERAY, Pendennis; TENNYSON, In Memoriam; BROWNING, My Last Duchess, The Lost Leader, In a Year, A Woman's Last Word, Song from James Lee ("O good, gigantic Smile"), Meeting at Night, Home Thoughts from Abroad, Up at a Villa, Fra Lippo Lippi, Andrea del Sarto, The Bishop Orders His Tomb, Two in the Campagna, Prospice, The Grammarian's Funeral, An Epistle, Caliban upon Setebos, Saul, Rabbi Ben Ezra, Epilogue; MATTHEW ARNOLD, The Function of Criticism, Culture and Anarchy, The Study of Poetry, Sohrab and Rustum, The Scholar-Gipsy, Switzerland, The Strayed Reveller, and the selection from SCOTT and SHELLEY in Palgrave's Golden Treasury.

†Greek.

HOMER, Iliad, I, VI, IX, XXII-XXIV; THEOCRITUS, Idylls, I, VII, VIII, XIII, XIV, XV, XXI.

ARISTOTLE, Poetics, with the history of the Greek genius and Greek poetry so far as covered by the following books:—Butcher's Aspects of Greek Genius (2nd edition); Matthew Arnold's Essays on Translating Homer, Butcher's Essays in his edition of the Poetics, Jebb's Growth and Influence of Classical Greek Poetry.

†Latin.

VIRGIL, Bucolics and Georgics, with Sellar's Essay on Virgil; QUINTILIAN, Bk. X. Questions will be set on the history of Roman Poetry (except Satire) to A. D. 120, and on the influence of Roman upon English Literature, so far as covered by Sellar's Essays on Lucretius, Virgil, and Horace and Tyrrell's Roman Poetry.

History.

The chief movements in European and American History from A.D. 1763 to 1878, including (a) the Continuous History of England, the United States and Canada, (b) a special study of the French Revolutionary period, (c) the Philosophy of History.

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

An essay will be required during the term on some subject connected with the course in History. Marks will be assigned on the basis both of matter and of form by the instructors in English and History, and will be taken into account by the examiners in determining honor standing.

[The Education Department of Ontario accepts an Honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of English and History.]

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#### DEPARTMENT OF ORIENTAL LANGUAGES.

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*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General course, in addition to the work prescribed below:—

FIRST YEAR . . . . English ; Latin ; any two of the following languages, viz. Greek, French, German, Hebrew ; Ancient History ; Mathematics ; Physics or Biology.

SECOND YEAR . . . . English or History ; Latin or Greek ; French or German (German recommended) ; Psychology and Logic.

THIRD YEAR . . . . Latin or Greek or French or German ; Ethics.

FOURTH YEAR . . . . Latin or Greek or French or German.

*Term work in Honors:*—Every candidate for Honors in this Department shall, during the Fourth year of his course, present a dissertation on some subject connected with Oriental Languages or Literature, such subject to be previously approved by his instructors in the Department. The essay shall, on or before the 1st of April in each year, be laid before the instructors in Oriental Languages in University College and Victoria University, who shall examine it and assign to it marks according to their judgment of its merit. Such marks shall be reported to the Registrar and be taken into account by the examiners in determining the standing of the candidate at the examination of the Fourth year.

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#### First Year.

Principles of Hebrew Grammar. Translation from English into Hebrew. Outlines of ancient Semitic History and Geography. Translation into English of Genesis I-VI, XXXVII, XXXIX, XL, with grammatical analysis, parsing and vocabulary.

**Second Year.**

**HEBREW:** Historical and narrative Prose—Exodus I-XIX; Numbers XXI-XXIV; Deuteronomy LXIII; Judges XIV-XVI; Ruth; 1 Samuel XVII-XIX; 2 Samuel XVII, XVIII; 1 Kings, V, VIII, XVII-XIX; 2 Kings XVI-XIX; 2 Chronicles XXX; Psalms I, II, VIII, XIX, XXIII. Hebrew syntax and Hebrew prose composition. Translation at sight of prose passages. Outlines of Hebrew history and literature.

**ARAMAIC:** West Aramaic grammar, with extracts from Targums.

General Semitic history, geography and antiquities; grammar with Syriac reading lessons; outlines of Aramaic literature.

**Third Year.**

**HEBREW:** Amos I-VI; Micah V-VII; Isaiah I-XIV, XXV, XXVIII, XXXII, XXXV, XL-LXVI; Jeremiah IV-VIII, XIV-XVII, XXII, XXXIII; Ezekiel XXVI, XXVII, XXXIII, XXXIV; Nahum; Haggai. Translation at sight. Syntax and composition. Introduction to the literary study of the prophetic writings.

**BIBLICAL ARAMAIC:** Outlines of the grammar with selections from Daniel and Ezra.

**ARABIC:** Introduction to Arabian history and literature. Arabic grammar. Reading of prescribed specimens of the literature.

**Fourth Year.**

**HEBREW:** Psalms XV-XXXIV, XXXIX-LV, LXXII-LXXVII, LXXXIV-LXXXVII, XC-C, CII-CIV, CX, CXXI-CXXVII, CXXX, CXXXVII, CXXXIX, CXLV-CL; Proverbs I-V, VIII, IX-XII, XV, XXV, XXX, XXXI; Job III-XIV, XIX, XXVIII; Ecclesiastes XII; Lamentations I. Composition and translation at sight. Characteristics of Hebrew poetry in detail and of the several poetical books.

**ASSYRIAN:** Grammar and reading of selected texts. Babylonian and Assyrian history. Introduction to the literature, with the history of modern discoveries and their relations with the Old Testament.

Comparative grammar of the Semitic languages.

Hebrew.  
English  
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## DEPARTMENT OF HISTORY.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below :

FIRST YEAR. . . . .English; any two of the following languages, viz., Greek, French, German, Hebrew; Mathematics; Biology or Physics.

SECOND YEAR. . . . .English; any two of the following languages, viz., Greek, French, German, Hebrew; Psychology.

THIRD YEAR. . . . .English.

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**First Year.**

†LATIN: 1. Composition. 2. Sight translation. 3. Grammar (including Prosody). 4. VIRGIL, *Aeneid*, Bks. V, VI, and CICERO, 2nd Philippic. 5. CICERO, Speeches for Cluentius, Muraena, and Sestius.

The questions in (3) will be based on the prescribed authors; (4) and (5) will include questions on the contents, style, and literary history of the books.

ANCIENT HISTORY: (a) Roman History, Pelham's Outlines of Roman History (to 476 A.D.); (b) Greek History (Oman's History of Greece).

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**Second Year.**

1. †LATIN: Composition; sight translation; grammar (including prosody); LIVY, III, IV, V, VI.

2. †ANCIENT HISTORY: (a) Roman History to 266 B.C., Mommsen, Bks. I and II, Fustel de Coulanges' *La Cité Antique*; (b) Greek History to 421 B.C., Oman's History of Greece; Grote's History of Greece, Part II, chaps. VI, XI, XXX, XXXI, XLV, XLVI.

3. MIDDLEVAL HISTORY: The chief movements in European History, 300 A.D. to 1250, including (a) the continuous History of England, (b) a special study of the period of the Norman Conquest.

4. The Constitutional History of England to Magna Charta, including the study of the text of the principal constitutional documents.

5. The Elements of Economics.

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honor course, and the standard required will be the same.

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**Third Year.**

1. †ANCIENT HISTORY: (a) Roman History from 266 B.C. to 78 B.C., Mommsen, Bks. III and IV, Livy, Books XXI, XXII, XXXIX. (b) Greek History from 421 B.C. to 362 B.C., Oman's History of Greece, Grote's History of Greece, chaps. LXVII and LXVIII.

2. MODERN HISTORY: The chief movements in European History from 1250 A.D. to 1763, including (a) the continuous history of England, (b) European effort in America, (c) a special study of the period of Henry VIII. An essay will be required on some selected topic connected with (c), and the merits of this essay will be taken into account by the examiners in determining honor standing.

3. English Constitutional History from Magna Charta, including the study of the text of the principal documents.

4. History of Economic Theory.

5. History of Ethics; the theory of Ethics.

6. English Constitutional Law.

**Fourth Year.**

1. †ANCIENT HISTORY: (a) Roman History from 78 B.C. to 37 A.D., Mommsen, Bk. V; Merivale, Vols. III, IV, and V; Bryce, Holy Roman Empire; Cicero's Letters, parts III, IV and V of Watson's selection. (b) Greek History, \*Thucydides I, II, III, VI, VII, VIII; \*Herodotus VII, VIII, IX; Grote's History of Greece, Part I, chaps. XV, XVI, XVII, XX, XXI.

2. MODERN HISTORY: The chief movements in European and American History from 1763 to 1878, including (a) the continuous History of England, the United States and Canada, (b) a special study of the French Revolutionary period, (c) the Philosophy of History. An essay will be required on some selected topic connected with (b), and the merits of this essay will be taken into account by the examiners in determining honor standing.

3. Political Philosophy; Economic History; Public Finance.

4. Constitutional Law (Colonial and Federal).

5. Ethnology.

† In the Greek and Latin subjects of this course the same examination papers will be set as in the corresponding subjects of the Classical Honour course, and the standard required will be the same.

\*Thucydides and Herodotus may be read in translations.



## DEPARTMENT OF POLITICAL SCIENCE.

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General course, in addition to the work prescribed below :

FIRST YEAR....English ; Latin ; any two of the following languages, viz., Greek, French, German, Hebrew ; Mathematics (including Permutations and Combinations, so far as necessary for the Binomial Theorem ; and the Binomial Theorem) ; Biology or Physics (Biology recommended) ; Ancient History.

SECOND YEAR....English ; Latin ; any two of the following languages, viz., Greek, French, German, Hebrew ; Logic and Psychology.

THIRD YEAR....English.

*Term Work in Honours:*—The following term work, to be prescribed by the Professor of Political Economy and Constitutional History, is required in these subjects :

SECOND YEAR : Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

THIRD YEAR : Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

FOURTH YEAR : Two essays in each term, in all four essays, and also a Term examination to be held before or shortly after Christmas vacation.

In each year such term work and examination count for Honors in the annual examination.

### First Year.

Candidates for Honors in the Department of Political Science are required to take, in addition to the above subjects of the General course, the full Honor course in one or other of the following Honor subjects in the First year : Latin ; Greek ; any two of the three languages ; English, French, German.

NOTE.—Students are recommended to take the Honor Latin in the First year instead of the Latin of the General course, in order that they may have the option of entering the History course in the Second year should they so desire.

### Second Year.

1. The Elements of Economics.
2. Roman History to 266 B.C., Mommsen, Bks. I and II and Fustel de Coulanges' La Cité Antique.
3. Mediaeval History to 1250.

4. English Constitutional History to Magna Charta, including the study of the text of the principal constitutional documents.
5. Mathematics (Elements of the Infinitesimal Calculus, with Elements of Analytical Geometry).

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**Third Year.**

1. The Theory of Political Economy.
2. Modern History from 1250 to 1763.
3. English Constitutional History from Magna Charta, including the study of the text of the principal constitutional documents.
4. English Constitutional Law.
5. Ethics (Honor Ethics of the Third Year).
6. Roman Law.
7. History of English Law.

NOTE.—Candidates of the Third year are exempt from examination in Constitutional History, provided they have previously passed the examination in the same subject at the close of the Second year.

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**Fourth Year.**

1. Economic History ; Public Finance ; Political Philosophy.
2. Modern History from 1763 to 1878 (See Department of History for details).
3. History of Philosophy (Honor History of Philosophy of the Fourth year).
4. Jurisprudence.
5. Public International Law.
6. Colonial and Federal Constitutional Law.
7. Canadian Constitutional History, including the study of the text of the principal constitutional documents.

Candidates may take either number 3 or numbers 4 and 5.

NOTE.—Candidates of the Fourth year are exempt from examinations in Colonial Constitutional Law and Canadian Constitutional History, provided they have previously passed examinations in these subjects.

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**DEPARTMENT OF PHILOSOPHY.**

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*Additional Requirements* :—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below :

FIRST YEAR . . . . . English ; Latin ; any two of the following languages, viz., Greek, French, German, Hebrew (Greek and German recommended) ; Ancient History ; Mathematics ; Physics or Biology (Biology recommended).

SECOND YEAR.....Optics ; any two of the following languages, viz., Greek, German, Latin, French, Hebrew (Greek and German recommended).

THIRD YEAR.....English or History ; Honor Economics (Pass standing).

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### Second Year.

LOGIC : Formal and Inductive ; Scientific Methods ; J. S. Mill.

PSYCHOLOGY : (a) Sensation, Thought, Emotion, Volition ; (b) Experimental, Introductory Course.

METAPHYSICS : Locke, Essay on the Human Understanding ; Berkeley, Principles of Knowledge ; Hume, Treatise on Human Nature, Book I.

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### Third Year.

ETHICS : Theory of Ethics ; History of Ethics ; Essays on Ethical Topics.

HISTORY OF PHILOSOPHY : Ancient and Mediæval ; Cicero, De Finibus, Books I and II (in the original).

PSYCHOLOGY : (a) Experimental, Study of the higher Senses ; (b) the more important problems of General Psychology, with selected readings from Bain, Baldwin, James, Ladd, Sully, Tracy, Ward, Wundt.

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### Fourth Year.

HISTORY OF PHILOSOPHY : Modern ; Special study of Kant's Critiques.

ETHICS : Aristotle, Nicomachean Ethics ; Kant's Ethical Writings ; Sidgwick's Methods of Ethics ; Essays.

PSYCHOLOGY : Time-relations of Mental Phenomena ; practical work in the Laboratory.

METAPHYSICS : †Kant's Prolegomena (paragraphs 1-39 in the original) ; Lotze's Metaphysic ; Descartes's Meditations and Method ; Spinoza's Ethic ; Spencer's First Principles ; Essays on Metaphysical Topics.

Review of the work of previous years, and Essays.

NOTE.—Candidates from St. Michael's College [may substitute Lorimer's Institutes of Law for Kant's Ethics, in Fourth year ; and also Aristotle's Ethics, Bks. I-IV in the original, and one of Plato's Dialogues in the original, for the Experimental Psychology in the Fourth year.

†Candidates who have not taken German may read this work in translation.

## DEPARTMENT OF MATHEMATICS AND PHYSICS.

*Additional Requirements.*—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below:

FIRST YEAR. . . . English; Latin or Greek; French; German.

**First Year.**

Elementary Physics (Mechanics, Hydrostatics and Heat); Elementary Chemistry; Algebra, including Determinants and omitting Theory of Probability; Trigonometry (Plane and Spherical); Analytical Plane Geometry.

**Second Year.**

Elementary Physics (Electricity and Magnetism, and Optics); Physical Chemistry with Laboratory work; Newton's Principia, sec. I; Differential Calculus; Integral Calculus; Solid Geometry; Elementary Analytical Statics and Particle Dynamics.

**Third Year.**

Elementary Physics (Acoustics and Physical Optics); Advanced Analytical Statics; Advanced Particle Dynamics; Hydrostatics; Geometrical Optics; Rigid Dynamics; Thermodynamics (elementary); Theory of Equations with Determinants continued from the First year; Laboratory Work. At the examination of 1897, candidates of the Third year shall take the Physical Chemistry of the Second year.

**Fourth Year.**

Candidates are allowed to take either Division I or Division II in the Fourth year.

## DIVISION I.—MATHEMATICS.

Plane Astronomy; Higher Plane Curves, with introductory course in Modern Geometry; Higher Algebra; Differential Equations; Theory of Probability; Quaternions; Problem Papers of First and Second years.

DIVISION II.—PHYSICS.

Elasticity; Hydrodynamics; Acoustics; Physical Optics; Thermodynamics (advanced); Electricity and Magnetism; Method of Least Squares; Laboratory Work.

[The Education Department of Ontario accepts an Honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Mathematics.]

DEPARTMENT OF NATURAL SCIENCE.

*Additional Requirements.*—Candidates in this Department are required to take the following subjects of the General course in addition to the Honor work prescribed below:

- FIRST YEAR. . . . Latin or Greek; English; Mathematics; French; German.
- SECOND YEAR. . . . English.
- THIRD YEAR. . . . English.
- FOURTH YEAR. . . . English.

**First Year.**

Elementary Biology with Laboratory work, including the study of typical animals and flowering plants.

Elementary Physics (Mechanics, Hydrostatics, and Heat), including Laboratory work.

Elementary Chemistry.

**Second Year.**

Zoology of the Vertebrata, with Laboratory and Museum work illustrative of this course; Structure of the Vegetative and Floral Organs of Phanerogamous Plants, the course to include Laboratory work; Elementary Physiology; Chemistry with practical work; Elementary Mineralogy and Geology with practical work; Physics (Acoustics, Optics, Electricity and Magnetism) with Laboratory work.

**Third Year.**

DIVISION I.—BIOLOGY.

Zoology of the Invertebrata, with a practical knowledge of typical forms; Vegetable Physiology; Structure and classification of Cryptogamic Plants, with practical knowledge of types; Organic Chemistry, with Laboratory work; Geology and Paleontology, with excursions and Laboratory work.

**DIVISION II.—GEOLOGY.**

Zoology of the Invertebrata, with a practical knowledge of typical forms; Paleontology of the Invertebrata and Paleophytology, with practical work; Economic Geology; Mineralogy, including Elementary Crystallography and Determination of Minerals, with Laboratory practice; Lectures and Laboratory work in Mineral Chemistry.

**Fourth Year.**

The candidate may select either of the two following divisions for examination:—

**DIVISION I.—BIOLOGY.**

Morphology and Embryology of Vertebrates, with special dissection of a typical Vertebrate Form; Histology; Bacteriology; General Biology; Physiology; Physiological Chemistry; Physiological Psychology.

**DIVISION II.—GEOLOGY.**

Historical and Stratigraphical Geology, with excursions and Laboratory work; Paleontology of the Vertebrata; Petrography, including Laboratory work with the microscope; Advanced Mineralogy with Laboratory work; Crystallography with practical work.

Students in the department are required to submit a Mineralogical, Petrographical and Paleontological collection made during the previous holidays.

[The Education Department of Ontario accepts an Honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Science.]

**DEPARTMENT OF CHEMISTRY AND MINERALOGY.**

*Additional Requirements:*—Candidates in this Department are required to take the following subjects of the General course in addition to the Honor work prescribed below:

FIRST YEAR. . . . . English; Latin; German; French; Algebra; Trigonometry.

**First Year.**

**CHEMISTRY:** Elementary Chemistry; Physical Chemistry; Laboratory work.

**PHYSICS:** Elementary Physics (Mechanics, Hydrostatics and Heat).

**MATHEMATICS:** Elementary Analytical Geometry.

**Second Year.**

**CHEMISTRY** : Inorganic Chemistry ; Physical Chemistry ; Elementary Organic Chemistry ; Laboratory work.

**MINERALOGY** : Theoretical and Practical.

**PHYSICS** : Electricity and Magnetism ; Geometrical Optics ; Acoustics Laboratory work. ☺

**MATHEMATICS** : Elementary Differential and Integral Calculus.

**Third Year.**

**CHEMISTRY** : Advanced Organic Chemistry ; Physical Chemistry ; Laboratory work.

**MINERALOGY** : Spectrum Analysis ; Determinative Mineralogy ; Crystallography.

**PHYSICS** : Practical Electricity.

**Fourth Year.**

**CHEMISTRY** : History of Chemical Theory ; Organic and Inorganic Chemistry, including the study of selected Monographs ; Theory of Chemical Equilibrium ; Electro-Chemistry.

**MINERALOGY** : Advanced Mineralogy ; Advanced Crystallography ; Assaying (practical).

In the case of students who desire to obtain a "Specialists' Certificate in Science," the Biology of the First year of the Department of Natural Science shall be substituted for the Mineralogy of the Third year ; and the Biology of the Second year for the Mineralogy of the Fourth year.

[The Education Department of Ontario accepts an Honor degree of the University of Toronto, obtained in the above course, as the non-professional qualification for specialist standing in the Department of Science.]

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## DEPARTMENT OF PHYSICS AND CHEMISTRY.

*Additional Requirements*:—Candidates in this Department are required to take the following subjects of the General course in addition to the work prescribed below :

FIRST YEAR....English ; Latin or Greek ; French ; German ; Trigonometry.

**First Year.**

PHYSICS : Elementary Physics (Mechanics, Hydrostatics, and Heat) ; Laboratory work.

CHEMISTRY : Elementary Chemistry ; Physical Chemistry ; Laboratory work.

MATHEMATICS : Analytical Geometry ; Algebra.

**Second Year.**

PHYSICS : Electricity and Magnetism, Optics ; Analytical Statics ; Dynamics of a Particle ; Laboratory work.

CHEMISTRY : Inorganic Chemistry ; Physical Chemistry ; Laboratory work.

MATHEMATICS : Differential and Integral Calculus ; Solid Geometry.

**Third Year.**

PHYSICS : Thermodynamics ; Physical Optics ; Acoustics ; Laboratory work, including Practical Electricity.

CHEMISTRY : Organic Chemistry (advanced) ; Theory of Chemical Affinity ; Laboratory work.

MATHEMATICS : Differential Equations.

**Fourth Year.**

PHYSICS : Electricity and Magnetism ; Thermodynamics (advanced) ; Laboratory work.

CHEMISTRY : Chemical Thermodynamics ; Electro-Chemistry ; History of Chemical Theory ; Laboratory work.



### Courses of Instruction in Arts.

The courses of instruction in the University of Toronto and University College are based upon the Curriculum, as above (pp. 72-105). The following statements regarding the scope and aim of the courses are added in cases in which such additional information is considered desirable, together with the names of the teaching staff for 1895-96:—

#### Classics.

M. HUTTON, M.A. ....	<i>Professor of Greek.</i>
J. FLETCHER, M.A., LL.D. ....	<i>Professor of Latin.</i>
W. S. MILNER, M.A. ....	<i>Lecturer on Latin.</i>
A. CARRUTHERS, M.A. ....	<i>Lecturer on Greek.</i>
J. C. ROBERTSON, B.A. ....	<i>Special Lecturer on Latin.</i>
H. J. CODY, M.A. ....	<i>Special Lecturer on Latin.</i>

The division of the examination papers given below has been recommended to the Senate by the Professors in Classics for insertion in the instructions to examiners.

The examination papers in the First year will be distributed as follows: 1. Greek and Latin Grammar. 2. Greek and Latin Sight Translation. 3. Greek Prose. 4. Latin Prose. 5. Greek and Roman History. 6. Homer and Plato (or Demosthenes). 7. Herodotus. 8. Virgil and Cicero (second Philippic). 9. Cicero (Cluentius Muraena and Sestius).

The examination papers in the Second year will be distributed as follows: 1. Greek and Latin Grammar. 2. Greek and Latin Sight Translation. 3. Greek Prose. 4. Latin Prose. 5. Greek and Roman History. 6. Euripides and Plato. 7. Sophocles, Aristophanes and Thucydides. 8. Livy. 9. Virgil and Horace.

The examination papers in the Third year will be distributed as follows: 1. Greek and Latin Grammar and Philology. 2. Greek and Latin Sight Translation. 3. Greek Prose. 4. Latin Prose. 5. Greek and Roman History. 6. Plato (with questions on Greek Philosophy up to and including Aristotle). 7. Aristotle (with questions on Greek Post-Aristotelian Philosophy). 8. Thucydides, Pindar and Sophocles. 9. Aristophanes and Demosthenes. 10. Roman Satire. 11. Virgil and Cicero. 12. Livy and Tacitus.

NOTE.—To prepare themselves for the papers on Philosophy, classical students are expected to attend the lectures on the History of Ancient Philosophy forming part of the Third year General course.

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NOTE.—(10), (11), and (12) will include questions on the contents, style and literary history of the books. For (10) Martha's *Les Moralistes Romains* (Petse, Epictète, Juvenal) is recommended for reference.

The examination papers in the Fourth year will be distributed as follows :  
 1. Greek Sight Translation. 2. Latin Sight Translation. 3. Greek Prose.  
 4. Latin Prose. 5. Greek and Roman History. 6. Plato and Aristotle. 7. Thucydides (two-thirds of the paper) and Herodotus. 8. Æschylus, Homer and Theocritus. 9. Aristotle, Poetics, and Quintilian, Bk. X, with the other books prescribed therewith (translation and questions). 10. Aristotle, Politics, IV, VIII, with the books prescribed therewith (*vide* paper (9) in the Greek course p. 81) or Descriptive and Comparative Syntax (*vide* paper (9) in the Latin course p. 81). 11. Lucretius and Virgil. 12. Sallust, Cicero's Letters, Tacitus, and the Monumentum Ancyranum. 13. Cicero (*De Finibus* and *Academia*). 14. Greek Philosophy up to and including Aristotle. 15. Post-Aristotelian Philosophy (Cicero's *De Finibus* and *Academia*; Zeller's *Stoics*, etc.).

NOTE.—In connection with (5) candidates are recommended to refer to Boissier's *L'Opposition sous les Césars*, and his *La Religion romaine*, Vol. I.

N.B.—The Roman method of pronouncing Latin is recommended :—*ā* as in *far*, *ā* the same sound but shorter; *ē* like *a* in *fate*, *ē* as in *set*; *ī* as in *machine*; *ī* as in *fit*; *ō* as in *note*; *ō* as in *obey*; *ū* as in *rude*; *ū* as in *full*; *j* (i.e., *i* consonant) like *y* in *year*; *v* = *w*; *c* and *g* always hard as in *can*, *go*; *s* always as in *this*, never as in *his*; *t* always as *t*, never as *sh*; *ai* as *ai* in *aisle*; *ae* either as *ai* in *aisle*, or as *ay* in *bay*; *au* as *ou* in *our*; *ei* as in *feint*; *eu* = *ēh-oo*; *oe* as *oi* in *oil*; *ui* almost as *we*.

**English.**

V. J. ALEXANDER, B.A., PH.D. . . . . Professor.  
 D. R. KEYS, M.A. . . . . Lecturer.

*A. General Course :—*

FIRST AND SECOND YEARS.—An attempt is made to develop the understanding and appreciation of literature through the study of two plays of Shakespeare in the First year, and select poems of Milton in the Second year. Students are expected, in the case of Shakespeare, to master for themselves the explanatory notes of some good edition such as Rolfe's; the lectures are mainly devoted to exhibiting the truth and art of the poet's work.

Composition is taught in connection with the study of prose literature. The methods of the various forms of composition are investigated in selections from good writers. An original essay on a subject set by the instructor is required of each student on or before each of the following dates: October 31st, December 15th, February 1st, and March 15th. If any articles or books are read in preparation for such essays, the titles of these and the parts specially made

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use of must be definitely specified in each essay. The marks assigned for these four essays count as term work at the final examination (80 marks out of 200).

**THIRD AND FOURTH YEARS.**—In these years the literature of a period is studied, and an attempt is made to enable the student not only to appreciate and understand the individual works selected, but also to grasp their relation to one another, and the way in which they give expression to the personality of the writer and the tendencies of the time.

*B. Honor Course :—*

The work prescribed in the General course is also incumbent upon Honor students, but a fuller and more advanced knowledge is expected than in the case of General students. The marks assigned for compositions during the term will count as one paper at the annual examinations.

The special Honor work is intended to broaden the knowledge and deepen the insight which the student may acquire in the General work. With this view standard prose essays are prescribed in both the First and Second years. In the First Year an additional play of Shakespeare is read ; in the Second, select works of Chaucer, and the student is made acquainted with the general principles of English versification. In the Third Year, besides additional work in the period prescribed in the General course, the study of Old English is begun. In the Fourth year this last-mentioned work is continued, and a course on Historical Grammar is given. In literature the development of the English drama is the subject for Honor work. The student is expected to make a minute study of certain typical works, and to extend his acquaintance with the literature of the time by a careful reading of other prescribed books. The class work is devoted partly to a special examination of the prescribed selections, partly to an exemplification by lectures of the general characteristics of the various periods.

*Books recommended:* Rolfe's or the Clarendon Press Editions of Shakespeare's plays ; Representative Essays (Putnam's, N.Y.) contain the essays prescribed in the First year ; Macmillan's Globe Library contains good one volume editions of the poetical works of Spenser, Shakespeare, Milton, Dryden, \$1.75 each. Very cheap texts of Bacon's Advancement and Milton's Areopagitica in Cassell's National Library (6d. apiece), of Addison's Cato in Effingham and Maynard's English Classics (12 cents), of Marlowe's Tamburlaine in Englische Sprach- und Literatur Denkmale (Henninger, Heilbronn). Annotated editions of the poems of Milton, prescribed for Second year, by Rolfe (Houghton & Mifflin, 75 cents) ; of Bacon's Advancement, Bk. I, in Macmillan's English Classics, 40 cents ; of Faerie Queen, Bk. I in Clar. Press Series, 60 cents, or Macmillan's English Classics, 50 cents ; of Absalom and Achitophel in Dryden's Select Poems (Clar. Press, 90 cents), or in Macmillan's English Classics, 40 cents ; Friar Bacon, and Friar Bungay, and Edward II, in Clar. Press Series ; Every Man in His Humour, in Longman's English Classics, 75 cents. Dowden's Shakespeare Primer, 30 cents ; Genung's Barris, or Hart's Rhetoric.

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**French.**

J. SQUAIR, B.A. . . . . *Associate-Professor.*  
 J. H. CAMERON, M.A. . . . . *Lecturer.*  
 M. QUENEAU . . . . . *Special Instructor.*

*A. General Course :—*

In all the years special stress will be laid on grammar, pronunciation and translation into French, commencing in the First year with simple exercises in each of these subjects, and continuing with those of a more difficult character to the end of the Fourth year. In the First and Second years, particular attention will also be paid to careful translation from French into English; a short text in modern French will be read in class in each of these years. In the Third year the prose texts, and in the Fourth year the poetical and dramatic texts, belonging to various periods, which have been prescribed by the University, will be read and will be illustrated by such critical and historical lectures as may be necessary for their proper understanding and appreciation.

*B. Honor Course :—*

As in the General course, special stress will be laid, in all the years, on grammar, pronunciation and translation into French. In addition to these subjects there will, in the Honor course, be regular and continuous exercises in conversation and composition in French during the Second, Third and Fourth years. The study of literature will begin in the Second year, the period for this year being the Seventeenth century; the Eighteenth century will be studied in the Third year, and the Nineteenth century in the Fourth year. In each year appropriate critical and historical lectures will be given for the purpose of aiding students to thoroughly understand and appreciate the works, belonging to each period, which are prescribed by the University. During the Third and Fourth years, students will be expected to read systematically some good grammar of the French language. In these two years, also, lectures will be given on the History of the French language, the lectures to be illustrated in the Third year by a selection from the *Chanson de Roland*. Students of the Fourth year will be encouraged to undertake the independent study of topics in connection with the history of the language and literature.

**German.**

W. H. VANDERSMISSEN, M.A. . . . . *Associate-Professor.*  
 G. H. NEEDLER, B.A., PH.D . . . . . *Lecturer.*  
 P. TOEWS, M.A., PH.D. . . . . *Special Instructor.*

The courses in this subject comprise (1) the study of the literary language of classical authors of the 18th and 19th centuries; (2) practice in writing and speaking German as illustrative of and a means to the above-mentioned end; (3) the history of German literature; and (4) for the Honor courses the elements of the history of the language.

*A. General Course :—*

Practice in dictation will be regularly given, and also exercises in translation at sight.

Practice in translation into German will be based on Horning's Book of Exercises.

(b) Students of the Third and Fourth years will read carefully the texts prescribed, and will have more advanced work in grammar, composition and sight translation. An outline of the literature prescribed will be given in lectures.

*B. Honor Course:—*

(a) Exercises in grammar and sight translation will be regularly given, and exercises in translation into German based on Horning's Book of Exercises and Harris' German Composition.

(b) Similar exercises of rather more advanced character will be given in the Second year. Students will also read carefully the texts prescribed.

In both the First and Second years an outline of literature as prescribed will be given in lectures.

(c) Honor students of the Third and Fourth years are expected to be familiar with the works of the modern authors prescribed, and lectures on the literature of the respective periods will be given, with illustrative references to the authors read.

In both Third and Fourth years exercises in sight translation, dictation, grammar and translation into German will receive much attention. Original essays in German will be required from time to time. Practice will also be given in conversation. Students will provide themselves with the following book for translation into German: *Humour, Wit and Wisdom* (Routledge's Pocket Library).

(d) In the Fourth year an outline of the history of the language will be given, according to a syllabus to be agreed upon by the instructors. The elements of Middle High German grammar and literature will be studied with special reference to the works prescribed.<sup>1</sup>

#### Italian and Spanish.

W. H. FRASER, B.A. . . . . *Associate-Professor.*

E. J. SACCO . . . . . *Special Instructor in Italian.*

P. TOEWS, M.A., PH.D. . . . . *Special Instructor in Spanish.*

The courses in these subjects extend over four years, and are arranged with the object of giving the student, (1) a knowledge of the language of the present time; (2) an appreciation of some of the more important masterpieces of the literature proportionate to his knowledge of the language; (3) a knowledge of the historical development of the literature; and (4) an elementary acquaintance with the historical phonology.

**FIRST YEAR ITALIAN.**—Simple narratives are used as a basis for instruction in grammar, and for the acquisition of vocabulary and idiom. The understanding of Italian when read or spoken, and the expression of thought directly in Italian are regarded as fundamental, and hence oral practice forms a large part of the work throughout the year. Phonetic transcription is employed as a means of giving definiteness to the knowledge of pronunciation

and orthography. Grandgent's Italian Grammar (Heath & Co.) is used as a book of reference.

FIRST YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that in Italian. H. Butler Clarke's First Spanish Reader and Writer (London, Swan, Sonnenschein & Co.) is used as a basis for practice in the language, and for instruction in grammar, vocabulary and idiom. Manning's Practical Spanish Grammar (Holt & Co.) is used as a book of reference.

SECOND YEAR ITALIAN.—The study of a modern story, Salvatore Farina's *Il Signor Io*, is undertaken, as a basis for oral practice in the comprehension of Italian and for exercise in the reproduction of the substance of the text in Italian form. Constant practice is also given in phonetic transcription and dictation, and in the understanding of unseen passages when read. Composition in Italian on familiar topics is required. Grandgent's Italian Composition (Heath & Co.) is used for additional work in composition and for more systematic instruction in the rules of construction. In the work of the Second year the use of a dictionary entirely in Italian is strongly recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is the most suitable for this purpose.

SECOND YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that of Second year Italian. Nombela's *La Riqueza del Pobre* is used as a reading book. Exercises in phonetic transcription, dictation, composition and sight translation similar to those in Italian are required. The use of a dictionary entirely in Spanish is strongly recommended. The *Nuevo Diccionario portatil de la Lengua castellana* (Garnier, Paris, price 7 francs) is the most suitable for this purpose.

THIRD YEAR ITALIAN.—Attention is given principally to the systematic study of the history of literature from the origins up to the beginnings of the Romantic Epic, and to the comprehension and interpretation of illustrative specimens of literature. Lectures on the subject are given, and ten cantos of Dante's *Divina Commedia* are read, together with copious extracts from Petrarca and Boccaccio, and shorter extracts from a number of writers of subordinate importance. The work in literature is largely oral, the objective point being the appreciation of the literature as far as possible without the intermediary aid of English translation. Students are required to provide themselves with Dante's *Divina Commedia* (ed. Fraticelli, Firenze, Barbèra, recommended), and with Torraca's *Manuale della Letteratura Italiana* (3rd ed., Firenze, Sansoni, 1895). In the work of the Third year the use of a dictionary entirely in Italian is strongly recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is the most suitable for this purpose.

THIRD YEAR SPANISH.—This course will not be given in the Session of 1896-97. Students of the Third year will take the work prescribed above, for the Second year, and the course of instruction also will be the same.

FOURTH YEAR ITALIAN.—The course is practically a continuation of that of the Third year, and similar methods are employed. Lectures are given on the history of literature from Ariosto, inclusive, to the present time. Considerable

portions of Ariosto and Tasso are read, together with numerous illustrative extracts from writers of subordinate importance. The elements of historical phonology are briefly presented, and further instruction in this subject is given incidentally in connection with the readings in literature. Students are required to provide themselves with Vols. II and III of Torraca's *Manuale della Letteratura Italiana* (3rd edition, Firenze, Sansoni, 1894). The use of a dictionary entirely in Italian is strongly recommended. Petrocchi's *Novo Dizionario Scolastico* (Milano, Fratelli Treves, price 7 francs) is the most suitable for this purpose.

FOURTH YEAR SPANISH.—The course in Spanish is parallel in scope, object and method with that in Italian of the Fourth year. The period of literary history covered is that extending from the beginning of the 17th century to the present time, with the addition of the history of the drama from its origin. Calderon's *Principe Constante* is read, together with numerous illustrative extracts from writers of subordinate importance. The elements of historical phonology are briefly presented, and further instruction in this subject is given incidentally in connection with the readings in literature. Students are required to provide themselves with a copy of *El Principe Constante* (Vol. I of Krenkel's *Klassische Bühnendichtungen der Spanier*, Leipzig, Barth, recommended), with the *Curso de Literatura de Garcia Al-Deguar y Giner de los Rios* (Madrid, Administration de la Biblioteca Andaluza, 1889), and with Keller's *Altspanisches Lesebuch* (Leipzig, Brockhaus). The use of a dictionary entirely in Spanish is strongly recommended. The *Nuevo Diccionario portátil de la Lengua castellana* (Paris, Garnier, price 7 francs) is the most suitable for this purpose.

#### Oriental Literature.

J. F. MCCURDY, PH. D., LL. D. . . . . *Professor.*

R. G. MURISON, B. A. . . . . *Special Lecturer.*

The Oriental course has the main object of affording an introduction to the study of the Semitic languages and literature and of Semitic history. On account of the paramount importance of the literature of ancient Israel, the Hebrew language and the Old Testament in the original are made very prominent throughout the course, being taught in all the years and occupying almost as much time as all the other languages taken together. The aim of the course, more definitely, is a twofold one: to give those interested in the Bible a competent acquaintance with the Hebrew text, and to furnish all who desire a liberal education an opportunity of becoming acquainted with the literature and history of the Semites, who divide with the Indo-European race the controlling moral and intellectual influence of mankind. These ends are kept in view in the General as well as in the Honor lectures.

For purely linguistic study the General course is confined to Hebrew, and is so arranged that, with an average of two or three lectures a week throughout the four years, the student may gain some familiarity with the different kinds of literature in the Old Testament: narrative, historical, prophetic and poeti-

cal. The Honor course secures in its Hebrew department an intimate familiarity with the language and literary features of the Old Testament in all its divisions, and at the same time introduces the learner to the other important languages of the Semitic family. In the Second year of the curriculum, which begins the Honor course, the Aramaic is taken up in its two dialects, East and West Aramaic; in the Third year Arabic is the subject of study; and in the Fourth year the student is made acquainted with the Assyrian in the original cuneiform texts. In all the years care is taken not only to impart an exact knowledge of linguistic forms, but also to convey an accurate idea of the genius of the Semitic race and of the several peoples among them who in succession helped materially in the education of the world.

Thus while Philology is duly studied for its own sake and as an indispensable instrument of research, the whole tendency of the discipline is to make it subservient to the higher ends of literary and historical culture. The Oriental Seminary Room is well provided with maps and other illustrative material; and the library, although so lately founded, has already one of the best selections of Semitic literature, including inscriptional works, to be found in America.

**History.**

- G. M. WRONG, M.A. .... *Professor of Modern History.*
- W. S. MILNER, M.A. .... *Lecturer on Roman History.*
- A. CARRUTHERS, M.A. .... *Lecturer on Greek History.*

In the lectures the more important historical movements will be discussed, and attention will be directed to the causes of social and political changes rather than to events. Special emphasis will be laid upon the history of England, the United States and Canada. Honor students in the departments of History and of English and History will be required to write the essays required by the curriculum of the Third and Fourth years. With Honor students in History in the Departments of Political Science and Modern Languages this work is optional.

**A. General Course :—**

The General course covers the history of Ancient Greece and Rome in outline in the First year, the history of Mediæval Europe in outline in the Second year, and modern European and American history in outline in the Third year. In the Fourth year European and American history since 1763 is studied over again in greater detail, and the course closes with an inquiry into the possibilities of a Philosophy of History. The following list of books has been made as brief as possible, and represents a minimum standard of reading :—

FIRST YEAR : Oman, History of Greece; Pelham, Outlines of Roman History.

SECOND YEAR : Duruy, Middle Ages; Green or Gardiner on England.



THIRD YEAR : Lodge, *Modern Europe* ; Fiske, *Discovery of America*, chapters II, III, IV, V, XII ; Goldwin Smith, *United States* ; Green or Gardiner on *England* ; Greswell, *Canada*.

FOURTH YEAR : In the General course of the Fourth year the work is the same as that of the Honor course in *Modern History*, omitting the period selected for special study. Fuller information than in previous years will be expected. The books by the following authors set forth fully in the Fourth year Honor course should be read :—On *Modern History* : de Tocqueville, Morse Stephens, Fyfe, Mueller, Hart, Woodrow Wilson, Green or Gardiner, Bourinot, Greswell. On the *Philosophy of History* : Morris's *Hegel*. The *Philosophy of History* is so closely associated with anthropological and ethnological questions that students are recommended to take also the course of study prescribed in *Ethnology*.

*B. Honor Course :—*

Honor work in *History* is done in five of the Honor departments of the curriculum. In the Department of *History* the whole course of study on the curriculum in ancient, mediæval, and modern history is required during the four years, and this study is combined with that of political economy and constitutional law. In the Department of *English and History* the study of mediæval and modern history is combined with that of literature, both English and classical ; in the Department of *Political Science*, history is combined with economic and legal study, and in the Department of *Classics* with Greek and Latin literature. In the Department of *Modern Languages* *History* is allowed as an option for *Italian or Spanish* in the Third year, and for *Old English or Italian or Spanish* in the Fourth year. Candidates desiring to qualify in the Education Department as specialists in *English and History* are required to take the *History* option. In the Honor Departments of *History* and of *English and History*, an essay is required in both the Third and Fourth years. These essays must be based upon the study of some of the original authorities for a selected short period, and in judging them regard will be had to both their literary and historical merits.

The following list of works has been made as brief as possible, and represents a minimum standard of reading for the periods covered. The list applies in its entirety only to students in the Department of *History*. Students taking Honor *History* in connection with other departments can determine by reference to the curriculum what portions of the list apply to their work. For *Constitutional History* a list will be found in the Department of *Political Science*.

FIRST YEAR : Oman, *History of Greece* ; Pelham, *Outlines of Roman History*.

SECOND YEAR : (a) *Ancient History* : Oman's *History of Greece* ; the portions of Grote, Mommsen and Livy prescribed in the curriculum ; Fustel de Coulanges, *La Cité Antique* (English translation, "The Ancient City").

(b) *Mediæval History* : Hodgkin, *The Dynasty of Theodosius* ; Bryce, *Holy Roman Empire (to the Fall of the Hohenstaufen)* ; Duruy, *Middle Ages* ; Green or Gardiner on *England*.

THIRD YEAR: (a) *Ancient History*: Oman, History of Greece; the portions of Grote, Mommsen and Livy prescribed in the curriculum.

(b) *Modern History*: Bryce, Holy Roman Empire (from the Fall of the Hohenstaufen); Lodge, Modern Europe; Symonds, Short History of the Renaissance in Italy; Hassall, Louis XIV.; Seeley, Expansion of England; Fiske, Discovery of America, chapters II, III, IV, V, XII; Thwaites, The Colonies, 1492-1750 (Epochs of American History); Parkman, The Old Régime in Canada; Greswell, Canada; Green or Gardiner on England.

FOURTH YEAR: (a) *Ancient History*: The portions of Thucydides, Herodotus, Grote, Cicero, Mommsen and Merivale prescribed in the curriculum; Boissier, l'Opposition sous les Césars; do., La Religion Romaine; Bryce, Holy Roman Empire.

(b) *Modern History*: De Tocqueville, France Before the Revolution; Morse Stephens, European History, 1789-1815; Fyffe, Modern Europe, Vols. II and III; Mueller, Political History of Recent Times with special reference to Germany; Hart, Formation of the Union, 1750-1829; Woodrow Wilson, Division and Reunion, 1829-1889 (Epochs of American History); Green or Gardiner on England; Bourinot, Canadian Constitutional History; Greswell, Canada; Morris, Exposition of Hegel's Philosophy of History (Griggs' Philosophical Classics).

(c) *Ethnology*: Darwin, Descent of Man, Part I; Huxley, Man's Place in Nature; Tylor, Anthropology; Fiske, Discovery of America, chapters I, VIII, IX; Latham, Ethnology of Europe. The lectures will be illustrated by maps, skulls, primitive implements, etc., and will cover later enquiries than those included in the above list of books.

**Political Science.**

J. MAVOR ..... *Professor of Political Economy and Constitutional History.*

HON. D. MILLS, LL.B. .... *Professor of Constitutional and International Law.*

HON. MR. JUSTICE PROUDFOOT .. *Professor of Roman Law.*

A. *General Course* :—

Lectures will be given as follows to those students who require to take Political Science in the General course.

THIRD YEAR.—*Constitutional History*. The elements of English Constitutional History. Book for reference: Fielden's Constitutional History; Henderson's Historical Documents of the Middle Ages; Taswell-Langmead, Constitutional History of England; Bagehot, The English Constitution; Dicey, The Law of the Constitution.

FOURTH YEAR.—*The Elements of Political Economy*. The lectures, textbooks and examinations are the same as those prescribed for students taking the Second year Honor course. See below.

*Canadian Constitutional History.* See synopsis of this subject in Honor course below.

*B. Honor Course:—*

The Honor course in Political Science and the related instruction in languages, mathematics, natural science, history and philosophy are intended to afford a means of preparation for those who desire to enter the professions of law, the ministry, journalism or teaching. The special subjects of study are economic history and theory, constitutional history, international and constitutional law, jurisprudence, history and philosophy with special reference to the growth of political ideas. The Honor course begins in the Second year in Arts and continues for three years.

Prior to entrance into the Honor course in Political Science, candidates must have passed the Honor examination of the First year in one or other of the following subjects: Latin; Greek; any two of the three languages, English, French, German.

**SECOND YEAR.—Economics.** The lectures give a general introduction to the study of modern political economy. The chief text-book is Marshall's Principles of the Economics of Industry, Vol. I. The following works will also be found useful: Gide's Political Economy; Andrew's Institutes of Economics; Smart's Introduction to the Theory of Value; Devas' Political Economy; Ely's Introduction to Political Economy; Mavor's Economic History, Tables and Diagrams.

*English Constitutional History to Magna Charta.* The chief topics are the Hundred and County Courts, the Witenagemot, the Feudal System. The principal constitutional documents are required to be studied. A list of these documents is furnished to students. For reference, selected portions of Stubbs' Constitutional History, to be designated by the lecturer; Fielden's Constitutional History; Henderson's Historical Documents of the Middle Ages; Introduction to Stubbs' Select Charters; Freeman's Growth of the English Constitution; Bagehot's English Constitution; Wakeman & Hassall's Constitutional Essays (excepting Essay 1); Taswell-Langmead's English Constitutional History.

*Roman History to 266 B. C.* Mommsen, Bks. I and II, and Fustel de Coulanges' La Cité Antique. See Department of Classics.

*Medieval History to 1250.* See Department of History.

*Mathematics.* Special class in the elements of the Infinitesimal Calculus with Elements of Analytical Geometry.

**THIRD YEAR.—History and Criticism of Economic Theory.** The course of lectures will present a systematic account of the development of the history of economic history and a criticism of current economic theories of value, interest, rent, wages and international trade. The chief text-book for the work of the Michaelmas Term is Ingram's History of Political Economy, and for the work of the Easter Term, Marshall's Principles of Economics, Vol. I. Students are also expected to study Böhm-Bawerk's Capital and Interest, and The Positive Theory of Capital (transl. Smart); Wieser's Natural Value; Smart's

Introduction to the Theory of Value. The following books will also be useful: Cossa's Introduction to the Study of Political Economy; Bonar's Philosophy and Political Economy; Nicholson's Principles of Economics; Keynes' Scope and Method of Political Economy, chaps. 1-3, 7, 9. Bastable's Theory of International Trade, and The Commerce of Nations; Adam Smith's Glasgow Lectures, ed. Cannan; Adam Smith's Wealth of Nations, ed. Nicholson; Ricardo's Works, ed. Gonner.

*Modern History, from 1250 to 1763.* See Department of History.

*English Constitutional History from Magna Charta.* The lectures are in continuation of those of the Second year. They deal with the Growth of Parliament, and of Responsible Government. The books recommended are the same as those in the Second year.

*English Constitutional Law.* The lectures on this subject comprise a discussion of the Royal Prerogatives; the constitution and functions of the two Houses of Parliament, the constitution of the Executive Government; the rise of the Cabinet and its relation to the Crown and the two Houses of Parliament; the military forces of the Crown, the constitution of the judicial department of government and its relation to the Crown and to Parliament, and the rights and obligations of the subject, the leading cases, the constitutional statutes, and the conventions of the constitution are discussed. For reference: Dicey's Law of the Constitution; Hearn's Government of England; Traill's Central Government; Boutmy's Studies in Constitutional Law, Part I; Broom's Constitutional Law; Anson's Law and Custom of the Constitution.

*History of English Law.* The history of the English law from the Roman Conquest until the Norman Conquest; the Roman occupation; the Saxon invasions; the laws of the Confessor; the change effected in the law, especially of real property, by the Conqueror and his successors,—the introduction or extension of the feudal system; the difference between that system on the continent and in England; the creation of new tenures; the Great Charter and its frequent renewals, as showing the condition of the people, and the evils to be remedied; the great changes effected by the legislation of Edward I and Edward III; the creation of entailed estates; the struggle to obtain power to alienate them; legislation to restrict alienations in mortmain; the evasion of the law; the law giving power to devise lands, and the legislation of Elizabeth to prevent frauds upon creditors and purchasers; the abolition of feudal tenures by Charles II. The efforts in the reign of George III to ameliorate the criminal law, and the English Statutes after 1792 that have their counterpart in our Colonial legislation are discussed and explained. For reference: Reeve's History of English Law; Pollock and Maitland's History of English Law; Hale's History of English Law; Blackstone's Commentaries; a collection of English Statutes, and the Revised Statutes of Canada, and of Ontario.

*History of Roman Law.* The lectures on Roman Private Law comprise a sketch of the history of the law from the time of the decemviri to the death of Justinian, giving an account of the growth of the unwritten law, of judicial legislation to the suppression of the formulary system by Diocletian,

and from that time to the death of Justinian, and treating of the statutory legislation during the Republic and under the Empire, and of the several attempts to form a code, finally terminated by the work of Justinian. The larger number of lectures is devoted to the substance of Roman Law during the reign of Justinian. The law of testamentary succession, the various kinds of wills, the duties of the heir, the gift of legacies, and the history of trust gifts and codicils are explained. The remedial processes for the protection and enforcement of rights are traced from the *legis actiones*, the changes effected by the formulary system, the summary jurisdiction of the *praetor*, the abolition of the formulary system, terminating in the *extraordinaria cognitio*. The series is closed by a discussion of the law as to specific performance of contracts; of the law as to frauds upon creditors; and an examination of the influence of Christianity upon Roman legislation. For reference: Muirhead's Historical Introduction to the Private Law of Rome; Sandars' Justinian; Institutes of Gaius, translated by Muirhead. The Digest, the Code, and the Novels should be consulted.

*Honor Ethics.* See Department of Philosophy, Third year.

**FOURTH YEAR.—Economic History.** The lectures will trace economic history from the early middle ages down to modern times, with special reference to England. Books recommended: Ashley's Economic History, Parts I, II; Toynbee's The Industrial Revolution; Seebohm's English Village Community; Vinogradoff's Villenage in England; Gomme, The Village Community; Gross' Guild Merchant, chaps. 1-4; Rogers' Six Centuries of Work and Wages, chaps. 1-6, 8-10; Cunningham's Growth of English Industry and Commerce (ed. 1890); Marshall's Principles, Bk. I, chaps. 2, 3; Jevons' State in Relation to Labour, chaps. 3, 4, 6, 7; Fowle's Poor Law, chaps. 1, 3, 4; D. A. Wells' Recent Economic Changes; Ely's Labour Movement in America, chaps. 3, 4; Webb's History of Trade Unionism.

*Public Finance.* The lectures will deal with National and Local Finance, and with important questions of modern economic policy. They will discuss, among other topics: the History of Public Finance and of Financial Science; the Currency and Banking Systems of Great Britain, Canada and the United States; Public Debts and the Policy of National and Local Governments in relation to them; Methods of Extinction and Conversion of Debt; Sinking Funds; Public Domain—Lands, Forests, Minerals; Railroad Policy, its history in Europe and America; Principles of Taxation; Incidence of Taxation; Tariff Policy—outline of its history in Great Britain, Canada and the United States; Local Taxation in Canada and the United States. Books recommended: Bastable's Public Finance; Bastable's The Theory of International Trade; Seligman's The Incidence of Taxation; Seligman's Essays in Finance; Elliott's The Tariff Controversy in the United States; Cossa's Taxation; Dunbar's Theory and History of Banking; Walker's Money, Trade and Industry; Adams' Public Debts; Ely's Taxation; Hadley's Railroad Transportation; Mavor's English Railway Rates; Bagehot's Lombard Street; Jevons' Money; Leroy-Beaulieu's Science des Finances, Livre II, chaps. 4,

5, 9, 10; Giffen's Essays in Finance, 1st series, IX; Taussig's Tariff History of United States.

*Modern History from 1763 to 1873.* See Department of History.

*Political Philosophy.* History and Criticism of Political Theories. The following are recommended for study: Sidgwick's Elements of Politics; Pollock's History of the Science of Politics; Bonar's Philosophy and Political Economy; Ritchie's Principles of State Interference; Seeley's Introduction to Political Science; Mackenzie's Introduction to Social Philosophy.

*General Jurisprudence.* In lecturing on this subject, the attention of the student is directed to the definition and analysis of law and of rights, to the sources of law, to the classification of rights, to the consideration of antecedent rights *in rem* and *in personam*, to remedial rights, to adjective private law, to the nature of public law and its various divisions, to international law, and to the application of law. For reference: Holland's Elements of Jurisprudence; Austin's Elements of Jurisprudence (Campbell's Students' edition); Maine's Ancient Law, and Early History of Institutions (Lectures XII, XIII).

*Public International Law.* Besides the elementary principles of International Law, the lectures comprise a discussion of the growth of International Law, its sources, and the characteristics which distinguish it from international morality. Also a discussion of the doctrine of non-intervention, of the Monroe Doctrine, and of the various treaties and conventions relating to Canada. Controversies raised by the Civil War in the United States. The Geneva Arbitration and the rights of neutrals. For reference: Wheaton's International Law (ed. Boyd); Hall's International Law, or Kent's International Law (ed. Aaby).

General Jurisprudence and Public International Law together are alternative to the Honor History of Philosophy of the Fourth year, for which see Department of Philosophy.

*Colonial Constitutional Law.* The lectures on this subject trace the sources of Colonial Constitutional Law; the prerogatives of the Crown in the constitution of colonial governments; different forms of government; colonies by occupancy; colonies by cession and conquest; powers of Parliament in respect to the colonies; conventional limitations arising from local self-government. For reference: Creasy's Constitutions of the British Empire; Forsyth's Cases and Opinions on Constitutional Law; Todd's Parliamentary Government in the Colonies, as far as page 318; Tarring's Law in Relation to the Colonies.

*Federal Constitutional Law.* The lectures deal with the origin of the United States Constitution and the relation of the federal government to the States; the federal institutions, legislative and executive and judicial, and the leading decisions of the Courts in reference to the same. The Constitution in Canada; rules of interpretation applied by the Supreme Court of the United States; rules of interpretation applied by the Judicial Committee in construing the Constitution in Canada. For reference: Houston's Constitutional Documents of Canada; Todd's Parliamentary Government in the Colonies, page 318 to the end of the volume; Clement's Constitution of Canada or Munro's Consti-

tution of Canada; Cartwright's Decisions on the B.N.A. Act; Cooley's Principles of Constitutional Law in the United States; Pomeroy's Constitutional Law; Boutmy's Constitutional Law, Part II and III. On the Constitution of the United States; Story, Hare, Miller, and Bryce; Todd's Parliamentary Government in England (ed. Walpole).

*Canadian Constitutional History.* Character of French Settlement; Nature of European Claims to Territory; Government by Trading Companies; Growth of Rule by Colonial Policy as distinguished from Trading Company Policy; Establishment of Provincial Organization in 1663; the Sovereign Council; Growth of the Superior Council; Local Government; Land Tenures; Church and State; the Conquest; Treaty of Paris; English Colonial Policy; Struggle for Responsible Government; Growth of Parties in Upper and Lower Canada; Lord Durham's Report; Union Act; Quebec Conference; Confederation; Relation of Dominion to Great Britain; Relation of Provinces to Dominion; Comparison of B. N. A. Act with Constitutions of United States and of England; Growth of Local Government in Ontario; A list of the principal constitutional documents which are required to be studied will be furnished to students. For reference: Bourinot's Constitutional History of Canada; Ashley's Earlier Constitutional History of Canada; Parkman's Old Régime; Munro's Constitution of Canada; Story's Introduction to Constitution of the United States; Houston's Canadian Constitutional Documents; Christie's History of Lower Canada; Kingsford's History of Canada; McEvoy's The Ontario Township (University of Toronto Studies in Political Science, 1st series, No. 1).

*Term Work in Honors:*—The following term work is required in subjects to be prescribed by the Professor of Political Economy and Constitutional History.

SECOND YEAR: Two essays in each term, in all four essays; and also a Term examination to be held before or shortly after Christmas vacation.

THIRD YEAR: Two essays in each term, in all four essays; and also a Term examination to be held before or shortly after Christmas vacation.

FOURTH YEAR: Two essays in each term, in all four essays; and also a Term examination to be held before or shortly after Christmas vacation.

In each year such term work and examination count for Honors in the annual examination.

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The Departmental Library in Economics is open under certain conditions to all Honor students in the Department of Political Science. Tutorial classes in Economics and in Constitutional History are held several times each week during the Michaelmas and Easter terms. Facilities for research are afforded to senior students and also to graduates who desire to prosecute the study of the subject.

**Philosophy.**

- J. G. HUME, M.A., PH.D. . . . . *Professor of Ethics and History of Philosophy.*  
 A. KIRSCHMAN, M.A., PH.D. . . . . *Director of Psychological Laboratory and Lecturer on Philosophy.*  
 F. TRACY, B.A., PH.D. . . . . *Special Lecturer on Philosophy.*

The work of this Department is pursued during the Second, Third and Fourth undergraduate years. The course which embraces Logic, Psychology, Metaphysics, Ethics and History of Philosophy, affords a training to those who intend entering the professions of the Ministry, Teaching or Law. In every case the work in Philosophy of the General course is to be taken by Honor students, and will be counted along with the Honor work in determining their standing.

**Logic.**

*A. General Course:—*

SECOND YEAR.—A course of lectures is given dealing with the scope and method of Logic; the nature of Deductive and Inductive Reasoning, and their relation to each other; the Definition of Terms; the Laws of Thought; the Forms of the Judgment and their mutual relation; the Syllogism; the Canons and Methods of Inductive inquiry; the detection and rectification of ambiguities in reasoning and logical fallacies. Exercises in logical problems are given from time to time and corrected. Books recommended: Jevons, *Elementary Lessons in Logic*; Fowler, *Inductive Logic*; Noah K. Davis, *Theory of Thought*.

*B. Honor Course:—*

SECOND YEAR.—A course is given in the study and criticism of Mill's System of Logic, the exposition of scientific methods, and the discussion of the philosophical presuppositions underlying theories of Induction. The ground covered in the lectures of the General course will not be taken up here, but will be presupposed. Books recommended: Mill, *System of Logic*; Bradley, *Principles of Logic*; Venn, *Empirical Logic*; Hyslop, *The Elements of Logic*; Jevons, *Principles of Science*; Jevons, *Studies in Logic*.

**Psychology.**

*A. General Course:—*

SECOND YEAR.—The lectures deal, in a general way, with the phenomena of consciousness, their description, correlation and classification; covering, in outline, the whole field of psychic phenomena. The course is designed to introduce the subject, to familiarize the student with fundamental principles, and lead him to observe his own mental states. Term work is required. Books recommended: Wundt, *Grundriss der Psychologie* (English translation); Ladd,



Primer of Psychology; Höffding, Outlines of Psychology; Baldwin, Elements of Psychology.

*B. Honor Course :—*

SECOND YEAR.—An introductory course on experimental Psychology is given, dealing with the psychological methods and their application, and with the Psychology of the lower senses (taste, smell, the dermal and kinæsthetic senses). Books recommended: Certain chapters of Ladd's Elements of Psychology, and Wundt's Human and Animal Psychology (English translation).

THIRD YEAR.—(a) General: A course of lectures is given, dealing more carefully and critically than is possible in the General course, with some of the special problems of Psychology, such as Space Perception, Nativism and Empiricism, Theories of Emotion, Attention, Relation of Motive to Volition, Liberty and Necessity, Relation of Psychology to Ethics and Metaphysics, Hypnotism. No text-books are prescribed or followed, but portions of the following works may be selected for special study in the class: Bain, The Senses and the Intellect, Emotions and Will; Baldwin, Handbook of Psychology, Mental Development in the Child and the Race; James, Psychology; Ladd, Psychology, Descriptive and Explanatory; Sully, The Human Mind; Tracy, The Psychology of Childhood; Wundt, Human and Animal Psychology.

(b) Experimental: The lectures on experimental Psychology (three hours per week) deal with the chief problems of contemporary Psychology, in so far as they are accessible to exact experiment, special attention being devoted to the Psychology of the higher senses (Psychological Optics and Acoustics) and to the time-relations of Mental Phenomena. The practical work (one to two hours per week) in the laboratory is designed to afford the student an opportunity to become familiar with experimental methods. There is no text-book for this course; but as recommended books may be mentioned: Wundt, Physiologische Psychologie (4th ed.); Ladd, Elements of Psychology; Wundt, Human and Animal Psychology (English Translation by Titchener and Creighton); Külpe, Grundriss der Psychologie; Ribot, German Psychology of To-day; Sanford, Laboratory Course.

FOURTH YEAR.—The Fourth Year consists partly of a supplementary series of lectures on metaphysical problems in their relations to Psychology, and partly of experimental work in the laboratory. The lectures are devoted to the criticism of Materialism and to a presentation of the philological views of Wundt in outline. In the Laboratory, the students work in groups under the guidance of the Director of the Laboratory, or his Assistant, upon special experimental investigations. The subjects of these investigations, which are at the same time intended to lead to useful results and to make the students familiar with the nature and difficulties of exact research, are arranged at the beginning of the term. The students are required to acquaint themselves with the literature relating to their special subject, to keep a record of their investigations, and to hand in at the end of the Easter term a detailed statement of results obtained, and of their significance.

Graduates have full opportunity for independent investigations in the Laboratory.

**Metaphysic***Honor Course :—*

SECOND YEAR : Theory of Knowledge—Honor students are required to read Locke's *Essay on the Human Understanding*; Berkeley's *Principles of Knowledge*; and Hume's *Treatise on Human Nature*, Book I. They are expected to write expository summaries of these works, and to discuss and criticize them in the class. It is the aim of the lectures to assist the student in making the transition from observation and analysis of mental phenomena to the reflective consideration of the underlying philosophical principles. Books recommended : Fraser, Locke and Berkeley (Blackwood's Series); Green, *Introduction to Hume*, Prolegomena to Ethics Bk. I; Aikins, *The Philosophy of Hume*; Ward, *Psychology in Encyclopædia Britannica*, 9th ed.; Dewey, *Psychology*.

FOURTH YEAR.—Theories of Knowledge and Being : Several courses are given. Honor student's are required to read Kant's *Prolegomena*; Lotze's *Metaphysic*; Des Cartes, *Meditations and Method*; Spinoza, *Ethic*; Spencer, *First Principles*. Of these the first two are carefully studied in the class; the others are made the basis of special exposition in lectures; the principles and methods of philosophical speculation; the correlation of different disciplines; and the interrelation of Logic, Psychology, Metaphysics and Ethics, are carefully considered. A seminary is held for the study of advanced Metaphysical problems.

\* In the seminars papers are read and discussed by the members. Everything is done to encourage independent thinking on the part of the students. Graduates may become members of any of the seminars in the Department of Philosophy by arrangement with the professor in charge.

**Ethics.***A. General Course :—*

THIRD YEAR.—(a) *Theory of Obligation* : Lectures on the scope and methods of Ethics, the relation of Moral Philosophy to Natural Science, The Moral Ideal, Personality, Instinct, Desire, Motive, Volition, Freedom of the Will, Conscience, Duty, Responsibility, Sensational Theories, Intuitional Theories, Transcendental Theories, Relation of Ethics to Theoretical Philosophy, Political Economy, and Religion. Essays will be written by members of the class, and examinations held during the term. Books recommended : Hyslop, Seth, *Muirhead*, *Calderwood*, Pt. I., Chaps. I-IV; Green, *Prolegomena to Ethics*, Book II. (b) *History of Ethics* : The lectures cover the ground from Hobbes to the present time. Attention is given to fundamental standpoints rather than to details of doctrine. The interrelation of the various historical phases of Ethical thought are considered, the development of cardinal doctrines followed, and the chief representatives of the leading schools expounded. Books recommended : Sidgwick, *History of Ethics*; Bain, *Moral Science*; Watson, *Hedonistic Theories*.

*B. Honor Course :—*

THIRD YEAR.—(a) Theory of Ethics: The students in this course will make, under the guidance of the professor in charge, a special and careful study of Green's Prolegomena to Ethics. Lectures will be given to assist in the exposition, explanation, and estimation, of Green's position. (b) History of Ethics: This course is supplemental to, and given in connection with, the General course on the History of Ethics. The aim of the lectures is to set in a clear light the real significance of the problems occupying the attention of moralists, and to estimate the solutions that have been offered for these problems. Students are required to read Martineau, Types of Ethical Theory. The following are also recommended: Butler's Sermons; Mill, Utilitarianism; Spencer, Principles of Morality; Janet, Theory of Morals; Sidgwick, Methods of Ethics; Jodl, Geschichte der Ethik; Bowne, Principles of Ethics; D'Arcy, Short Study of Ethics. (c) Applied Ethics: The class will meet once a week for the reading and discussion of papers written by members of the class. In these essays an attempt will be made to apply ethical principles to the investigation of social problems, such as Temperance, Charity, Socialism, etc. Books recommended: Spencer, Man vs. State; Ritchie, Principles of State Interference; T. H. Green, Lectures on Political Obligation, A. M. N., in Vol. II.; J. G. Hume, Value of a Study of Ethics, Political Economy and Ethics, Socialism.

FOURTH YEAR.—In this year the Honor students will be expected to make a thorough study of representative Ethical writers of ancient and modern times, and also to undertake independent investigations into social problems of the present time, requiring for their solution the application of Ethical principles: Aristotle, Nicomachean Ethics; Kant, Grundlegung zur Metaphysik der Sitten; Kritik der praktischen Vernunft; Sidgwick, The Methods of Ethics. Essays: Application of Ethical principles in the examination of Problems in Political Economy, Sociology and Criminology.

**History of Philosophy.***A. General Course :—*

FOURTH YEAR.—A course is given, intended as an introduction to the critical study of Philosophy. The student is led to trace the development of philosophical speculation from the beginning of Modern Philosophy up to the time of Kant; to discover the relation of the various thinkers to one another; to estimate the contribution made by each; and to note how inadequacies and errors were subsequently met and corrected. Books recommended: Windelband, Falckenberg, Schwegler.

*B. Honor Course :—*

THIRD YEAR.—(a) Selected readings: Cicero, De Finibus Bonorum et Malorum (I-II), in the original (to be read in connection with the Department of Classics). (b) Lectures are given on the History of Ancient and Mediæval Philosophy. The chief centre of interest is the Platonic Philosophy; but the Pre-Socratic and Post-Aristotelian periods are dealt with as fully as time permits;

the former, as the essential prelude to the study of the Platonic Philosophy; the latter, as showing the various directions in which its influence was felt in later times. The influence of Christianity on philosophic thought; the main features of Scholasticism; and the preparation of the thinking world for Modern Philosophy, are considered. Special attention is given to connecting links, and the relation of the thinkers to one another. An extra hour a week will be devoted to a more special study of some of the more important Platonic Dialogues. Books recommended: Zeller; Ueberweg; Butler; Erdmann; Windelband; Ferrier; Schwegler; Benn; Tennemann; Burt; Mayor; Scott; Jowett's Plato; Grote's History of Greece (chapter on the Sophists); Aristotle's works.

FOURTH YEAR.—(a) Pre-Kantian Period: Honor students will attend the lectures on this period given to the students of the General course (see above), and the class rendering selections in *Metaphysics* (see below). Books recommended: Erdmann; Ueberweg. (b) Kant: The development of the Kantian Philosophy, through the Critiques and Prolegomena, is followed. The *Kritik der reinen Vernunft* and the *Kritik der Urtheilskraft* are carefully studied in the class essays by the students, are read and discussed, and lectures are given on Kant's relation to previous philosophers, the significance of his new method, the various links in his system and the positive and negative elements in his philosophy. Books recommended: Caird; Watson; Morris; Stirling; Mahaffy and Bernard; Vaihinger; Erdmann; Riehl. (c) Post-Kantian Period: Lectures will trace the development of Idealism after Kant, sympathetic and antagonistic. Special attention is given to Fichte, Schelling, Hegel, Schopenhauer, Von Hartmann, Herbert, Spencer and Wundt.

A seminary in the History of Philosophy is conducted for the reading and discussion of papers written by the students. Books recommended: (a) General Histories: Kuno Fischer; Windelband; Falckeberg; Ravaisson; Lewes; Morell. (b) Special: On Hobbes, Croom Robertson; on Des Cartes, Kuno Fischer; on Spinoza, Pollock, Caird; on Locke, Berkeley and Hume, Green, Frazer, Selby-Bigge; on Leibnitz, Dewey; on Scottish Philosophy, Seth, Murray, Bowen, McCosh; on Kant (see above); on Fichte, Everett, Adamson; on Schelling, Watson; on Hegel, Wallace, Caird, Harris, Royce, Sterrett; on Spencer, Watson, Collins; on Schopenhauer and Von Hartmann, Bowen.

NOTE.—Candidates from St. Michael's College may substitute Lorimer's Institutes of Law for Kant's Ethics in the Fourth year; and also Aristotle's Ethics, Bks. I-IV in the original, and one of Plato's Dialogues in the original, for the Experimental Psychology in the Fourth year.

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**Mathematics.**

A. BAKER, M.A. ....	<i>Professor.</i>
A. T. DELURY, M.A. ....	<i>Lecturer.</i>
W. J. RUSK, B.A. ....	<i>Fellow.</i>

Supplemental to the General course of the First year, embracing Euclid, Elementary Algebra and Trigonometry, a course is offered in Permutations, Combinations and Binomial Theorem, and also in Elementary Analytical Geometry of two dimensions, suitable for such as, in the Second year, wish to enter upon the study of Elementary Infinitesimal Calculus. The course in Elementary Analytical Geometry is valuable also for its own sake, as it establishes the more important properties of the Conic Sections.

In the Honor work of the First year the following text-books are recommended: Hall and Knight's Higher Algebra, C. Smith's Treatise on Algebra, Todhunter and Hogg's Trigonometry, Hobson's Trigonometry, Todhunter's Spherical Trigonometry, C. Smith's Conic Sections, Salmon's Conic Sections.

In the Second year the elementary course in Differential and Integral Calculus is designed to afford such knowledge of the character, methods and place in science of this important subject as educated men should possess, and also to enable students in Chemistry, Engineering, etc., to understand those of their text-books in which the Calculus is introduced.

A further course of lectures is given in the elements of Analytical Geometry and of the Infinitesimal Calculus, intended specially for students in Economics, who it is hoped will thus be in a position to follow recent developments in this science.

In the Honor work of the Second year the following text-books are recommended:—Williamson's Differential Calculus, Williamson's Integral Calculus, C. Smith's Solid Geometry, Evans' Main's Principia, Frost's Principia. For the remainder of the work in the Second year, see Department of Physics.

Mathematical students in the Third year take Theory of Equations, including Determinants continued from the First year; text-book—Burnside and Panton. For the remainder of the work in the Third year, see Department of Physics.

In the Honor work of the Fourth year the following text-books are recommended: Newcomb and Holden's Astronomy, Godfray's Astronomy, Chauvenet's Astronomy, Salmon's Higher Plane Curves, Ferrer's Trilinear Co-ordinates, Salmon's Higher Algebra, Johnson's Differential Equations, Forsyth's Differential Equations, Kelland and Tait's Quaternions, Tait's Quaternions. By courtesy of the authorities of the Observatory, students have access to and use of the astronomical instruments.

The Department is furnished with the admirable thread and plaster models of Brill for illustrating the teaching of Geometry of three dimensions.

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Physics.

JAMES LOUDON, M.A., LL.D. ....	Professor.
W. J. LOUDON, B.A. ....	Demonstrator.
C. A. CHANT, B.A. ....	Lecturer.
J. C. McLENNAN, B.A. ....	Assistant-Demonstrator.

The work of instruction in Physics consists of courses of lectures and of practical work in the laboratories. The lectures include, (1) an introductory course for Medical students, (2) an elementary course illustrated by experiments in Mechanics, Hydrostatics, and Heat, as required by students of the First year in Arts, (3) a similar course in Optics, Electricity and Magnetism for students of the Second year in Arts, (4) a similar course on Acoustics and Physical Optics for students of the Third year in Arts, and (5) advanced courses on Mathematical Physics for Honor students in the Second, Third and Fourth years in Arts.

The elementary courses for students of the First, Second and Third years in Arts are also attended by students in Engineering, Architecture and other departments.

In the practical work of the Laboratory there are at present eleven courses, six elementary and five advanced, which have been arranged to meet the requirements of Arts students, Engineers, Architects, and candidates for specialists' certificates at the Education Department.

*Text-books: General Physics:* Ganot's Physics. *Elementary Mechanics:* Lock, Mechanics for Beginners; Glazebrook, Statics and Dynamics. *Elementary Hydrostatics:* Glazebrook, Hydrostatics. *Elementary Heat:* Glazebrook, Heat; R. W. Stewart, Text-book of Heat. *Elementary Light:* Glazebrook, Light. *Elementary Electricity and Magnetism:* Poyser, Advanced Magnetism and Electricity; Silvanus Thompson, Elementary Lessons. *Advanced Mechanics:* Minchin, Statics; Routh, Statics; Tait and Steele, Dynamics of a Particle. *Geometrical Optics:* Jamin, Optique Géométrique. *Hydrostatics:* Besant. *Rigid Dynamics:* Loudon. *Acoustics:* Donkin. *Physical Optics:* Preston, Theory of Light. *Thermodynamics:* Clausius, Mechanical Theory of Heat. *Electricity:* J. J. Thomson, Elements of Electricity and Magnetism. *Least Squares:* Merriman. *Practical Physics:* Loudon and McLennan.

*Works of Reference: General Physics:* Deschanel's Natural Philosophy (by Everett); Jamin's Cours de Physique; Violle's Cours de Physique; Daniell; Gallatly; Nichols and Franklin; Jones's Examples in Physics; Thomson and Tait's Natural Philosophy; Macfarlane's Tables; Chambers's Tables. *Elementary Mechanics:* Briggs and Bryan, Statics, Dynamics; Magnus; Loney, Dynamics; Garnett, Dynamics; Clifford; Greaves; Hicks. *Elementary Hydrostatics:* Loney, Mechanics and Hydrostatics; Briggs and Bryan. *Elementary Heat:* Jones, Heat and Light; Garnett; Tyndall; Balfour Stewart; Tait. *Elementary Light:* Jones, Heat and Light; R. W. Stewart; Tyndall; Tait; Wright, Light, Optical Projection. *Elementary Electricity and Magnetism:* Cumming; Larden; R. W. Stewart; Day, Exercises in Electricity and Magnetism. *Elementary*

*Sound*: Catchpool; Tyndall; Zahn; Taylor, *Sound and Music*; Blaserna; Stone; Mayer. *Advanced Mechanics*: Minchin, Statics; Routh, Statics; Ziwet; Todhunter, Statics; Besant, Dynamics; Williamson and Tarleton, Dynamics; Price, Infinitesimal Calculus; Resal; Appell, *Traité de Mécanique rationnelle*. *Geometrical Optics*: Aldis; Heath; Parkinson. *Hydrostatics*: Besant; Minchin; Greenhill. *Rigid Dynamics*: Routh; Pirie; Worthington, Dynamics of Rotation; Aldis. *Acoustics*: Rayleigh, *Theory of Sound*; Helmholtz, *Sensations of Tone*; Airy, *Sound*; Koenig, *Quelques Expériences*; Chladni; Radau. *Physical Optics*: Jamin; Verdet; Preston (*Light*); Bassett; Glazebrook. *Elasticity*: Lamé; Ibbetson; Love; Todhunter, *History*. *Hydrodynamics*: Lamb; Bassett. *Heat*: Preston; Maxwell; Tait. *Electricity*: Emtage; Maxwell; Mascart and Joubert; Gerard; Gray; Heaviside; Watson and Burbury. *Least Squares*: Merriman; Wright, *Adjustment of Observations*; Airy, *Theory of Errors*; Holman; Johnson; Comstock; Gauss. *Practical Physics*: Stewart and Gee; Glazebrook and Shaw; Kohlrausch, *Physical Measurements*; Witz; Ayrton, *Practical Electricity*; Kempe; Nichols.

#### Biology.

R. R. WRIGHT, M.A., B.Sc. ....	<i>Professor.</i>
A. B. MACALLUM, B.A., PH.D. ....	<i>Associate-Professor of Physiology.</i>
E. C. JEFFREY, B.A. ....	<i>Lecturer on Biology.</i>
R. R. BENSLEY, B.A., M.B. ....	<i>Assistant-Demonstrator in Biology.</i>
A. KIRSCHMANN, M.A., PH.D. ....	<i>Lecturer on Psychology.</i>
J. MCCRAE, B.A. ....	<i>Fellow in Biology.</i>

The lectures and practical instruction in this subject are given in the University Biological Building.

The following arrangements will be in force for 1896-97 :—

1. A course of elementary lectures on Biology will be given three days a week to prepare candidates for the University examination of the First year. For reference : Jeffrey Parker, *Biology*; High School *Zoology*; Vines' *Text-book of Botany*.

2. A course of lessons involving 100 hours' instruction is given in connection with the above course of lectures for students entering the Honor department of Natural Sciences. Each member of the class will be required to provide himself with a case of instruments and an engraver's lens, both of approved pattern.

3. Candidates for the Second year Honor examinations will attend special courses on the *Zoology of the Vertebrata* and the *Anatomy and Classification of the Phanerogams* during the Michaelmas Term. A series of lectures and demonstrations on selected topics in *Physiology* will be delivered during the Easter Term.

4. The practical course for Honor students of the Second year will be arranged so as to form a complement to the lectures on *Animal and Vegetal Morphology*. There will also be opportunities in the Museum for the study of the Canadian *Vertebrate fauna* (*Text-book, Jordan's American Vertebrates*),

but the student is expected to have familiarized himself with the Canadian flora during the preceding long vacation. For reference: Spotton's Canadian Flora, or Gray's Manual; Vines' Text-book of Botany, 2 vols; Van Tieghem's *Traité de Botanique*, 2nd ed., revised.

5. Honor students of the Third year will study the Zoology of the Invertebrata three days a week during the Michaelmas and part of the Easter Terms, and, during the remainder of the Easter Term, Cryptogamic Botany and Vegetable Physiology. Books of reference: McMurrich, *Invertebrate Morphology*; Lang, *Vergleichende Anatomie*; Vines' Text-book of Botany; A. B. Frank, *Lehrbuch der Botanik*; Van Tieghem, *Traité de Botanique*, 2nd ed., revised.

6. The practical course for Third year students will be devoted to the study of typical forms of Cryptogamic plants and Invertebrate animals.

7. Wiedersheim-Parker's *Elements of Comparative Anatomy of the Vertebrata*, Bunge's *Physiologische Chemie*, and Foster's *Physiology*, last English edition, are recommended for Honour students of the Fourth year, and the following works will be required in the practical course: Stöhr's *Handbuch der Histologie*; Parker's *Zootomy*; Foster and Balfour's *Embryology*.

Works of reference on Bacteriology and the other subjects specified in the University curriculum will be found in the laboratory.

8. Honor students of all years are required to pay laboratory supply fees in advance to the Bursar.

#### Chemistry.

W. H. PIKE, M.A., PH.D. ....	<i>Professor of Chemistry.</i>
W. L. MILLER, B.A., PH.D. ....	<i>Demonstrator.</i>
F. J. SMALE, B.A., PH.D. ....	<i>Lecturer.</i>
F. B. ALLAN, B.A. ....	<i>Fellow.</i>
G. ELLIOTT, B.A. ....	<i>Lecture-Assistant.</i>

The following courses of lectures on Chemistry will be delivered in the Chemical Laboratory:—

**INORGANIC CHEMISTRY:** 1. *Elementary.* An introductory course on descriptive Chemistry, and on the Atomic and Molecular theories, for First year Chemistry and Mineralogy, First year Physics and Chemistry, First year Natural Science, First year Mathematics and Physics, First year Medicine, and Second year Pass. 2. *Special.* A special course on Inorganic Chemistry for First year Chemistry and Mineralogy, and Physics and Chemistry. 3. *Advanced.* A course on the relations between Chemical and other forms of Energy, for Second year Chemistry and Mineralogy, Second year Natural Science, and Second year Mathematics and Physics.

**ORGANIC CHEMISTRY:** 1. *Introductory.* The fatty and the aromatic compounds, based on a study of their constitutional formulæ for the Second year Natural Science. 2. *Elementary.* (In the small lecture room.) A more elementary course on the fatty compounds, with a few lectures explanatory of the Benzene theory, for the Second year Medicine and Second year Chemistry and Mineralogy. 3. *Advanced.* A course on Synthetic methods, and on Stereochemistry for Third year Chemistry and Mineralogy.



PHYSICAL CHEMISTRY: 1. *Introductory*. Stoichiometry, Theory of Solutions, Introduction to Electrochemistry, etc., with elementary applications of the calculus to physico-chemical problems, for Second year Chemistry and Mineralogy, and Second year Physics and Chemistry. 2. *Theory of Affinity*. Velocity of reactions, the mass law, Electrochemistry, and elementary applications of thermodynamics to chemical problems, for Third year Chemistry and Mineralogy. 3. *Chemical Thermodynamics*. A general course on Energetics, with special application to chemical problems, for the Fourth year Chemistry and Mineralogy.

HISTORY OF CHEMICAL THEORY: *History of Chemistry*. For Fourth year Chemistry and Mineralogy.

Special instruction will in addition be given to the students of the Departments of Chemistry and Mineralogy, and Physics and Chemistry, as occasion requires.

Each student proposing to attend lectures or practical work in the Chemical Laboratory must apply to the Demonstrator of Chemistry for a ticket which will have marked on it the number of his seat in the lecture room, of his hat rack, of his working place in the laboratory and his locker. This ticket will be given only to students presenting their registration tickets, and no working place in the laboratory will be allotted until a deposit of three dollars has been made. Each student will be held responsible for the seat, etc., allotted him, and no change may be made without the consent of the professor. At the close of the Easter term this ticket must be presented for certificate of attendance.

Each student is required to provide himself with a suitable note-book in which to keep an account of the work done by him during the year. These books will be examined from time to time, and marks will be assigned, which will be reckoned together with those given for the practical examinations in computing the student's standing in Practical Chemistry for the May Examinations.

At the beginning of the term the following apparatus will be provided:—  
*For Qualitative Analysis*: A key; a test tube stand; twelve test tubes; a test tube cleaner; one mortar and pestle; one evaporating dish; two watch glasses; one crucible and cover; a pair of crucible tongs; a package of filter paper; two funnels; a Bunsen burner with rubber tubing; a sandbath and tripod; a blowpipe; a wash bottle;  $H_2S$  generator; a duster. *For Quantitative Analysis*: A key; five beakers; mortar and pestle; evaporating dish; two crucibles and covers; a pair of crucible tongs; a pair of weighing glasses; package of filter paper; two funnels; a Bunsen burner with tubing; an Argand burner with tubing; an exsiccator; a stand and ring; a wash bottle; a duster.

An account will be kept with each student; all apparatus broken or destroyed and all fines will be charged against his deposit, which must be renewed when exhausted.

The apparatus provided is intended for use in the laboratory only, and may not be removed from the building. At the close of the term's work it must be returned clean and dry to the Demonstrator.

**Mineralogy and Geology.**A. P. COLEMAN, M.A. .... *Acting Professor.*W. A. PARKS, B.A. .... *Fellow.*

An elementary course in Geology is given in the Second year, and arrangements are made for the study of rocks and fossils. Lectures and laboratory work in mineralogy are provided for Honor students.

In the Third year, lectures are given in Dynamical and Structural Geology, Economic Geology, Elementary Crystallography, Paleontology of the Invertebrates and Paleobotany. Practical work will be conducted in Geology, Mineralogy and Paleontology.

In the Fourth year, lectures are given in Historical and Stratigraphical Geology and Physiography, Paleontology of the Vertebrates, Lithology, Mineralogy and Advanced Crystallography. The practical work of the year comprises Excursions and other Geological work, Microscopic Lithology, Practical Crystallography and Determinative Mineralogy. It is expected that students in the Department will make a collection of minerals, rocks or fossils during the previous vacation.

*Text-books and works of reference:* Chapman's Minerals and Geology of Ontario and Quebec; Dana, Manual of Geology; Geikie, Text-book of Geology; Le Conte, Elements of Geology; Prestwich, Geology; Phillips, On Deposits; Kemp, on Deposits of the United States; Nicholson, Paleontology; Zittel, Handbuch der Paleontologie; Steinmann Döderlein, Elemente der Paleontologie; Dana, Mineralogy; Naumann, Mineralogie; Tschermack, Mineralogie; Chapman, Mineral Indicator and Blowpipe Practice; Rosenbusch, Microscopical Physiography and (Iddings) Massige Gesteine; Zirkel, Lehrbuch der Petrographie; Reports of the Geological Survey of Canada.

Honor students of all years are required to pay laboratory supply fees in advance to the Bursar.

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## CURRICULUM IN APPLIED SCIENCE.

## Degree of Bachelor of Applied Science.

Candidates who have fulfilled the requirements of the Fourth year in the School of Practical Science are eligible for the degree of Bachelor of Applied Science in the University of Toronto under the following conditions and regulations:—

1. Candidates for the said degree shall hold the diploma of the School of Practical Science in any one of the regular courses of the said school, or shall be of the standing of the Fourth year in the Honour department of Chemistry and Mineralogy in the University of Toronto.

2. They shall have fulfilled the conditions relating to the Fourth or post-graduate year in the School of Practical Science, and shall present certificates of having done so to the Registrar of the University. Honours may be granted with such certificates by the Faculty of the School.

3. Each candidate shall prepare a thesis based on the results of his Fourth year work in the said School of Practical Science for the approval of the University examiners. This thesis is to be accompanied by all necessary drawings, specifications, tables and estimates. To pass in the thesis a candidate must obtain 50 per cent., and to take honours 75 per cent., of the marks assigned.

4. Candidates will be required to select two sub-divisions in any one of the following groups, and to pass such written and oral examinations on the subjects selected as may be prescribed by the University examiners.

- A. { Astronomy.  
Geodesy and Metrology.
- B. { Architecture.  
Strength and Elasticity of Materials.  
Hydraulics.  
Thermodynamics and Theory of Heat Engines.  
Electricity and Magnetism.
- C. { Industrial Chemistry.  
Sanitary and Forensic Chemistry.  
Inorganic and Organic Chemistry.
- D. { Mineralogy and Geology.  
Metallurgy and Assaying.

The sub-division "Inorganic and Organic Chemistry" will be obligatory on all candidates who select group C.

To pass in each subject 33 per cent., and to take honors 66 per cent. of the marks assigned will be required.

5. The degree with honors will be conferred on candidates who obtain three out of the four honors possible.

Viz.—Certificate with honors .....(cl. 2.)

Thesis with honors.....(cl. 3.)

Honors in each subject of examination .....(cl. 4.)

6. Candidates are required to send to the Registrar of the University at least three weeks before the commencement of the annual examination an application for examination according to a printed form to be obtained from the Registrar, and at the time of making such application a fee of ten dollars must be paid to the Bursar.

7. The examination for the degree shall be held in May.

8. The fee for the degree shall be ten dollars, and shall be paid to the Bursar not later than the first day of May.

9. The ordinary time for conferring the degree shall be at the University Commencement in June. The degree may be conferred at any meeting of the Senate.

10. The thesis, drawings, and other papers accompanying them, shall be the property of the University.

11. In case any change be made in the conditions referred to in the second clause, such change shall be submitted to the Senate, and shall have no force so far as the said clause is concerned, unless approved by resolution of the Senate.

### Degrees in Engineering.

By a Statute of the University of Toronto, passed in 1896, graduates of the School of Practical Science may be admitted to degrees in Engineering upon the following terms :—

I. That all previous Statutes of the University relating to degrees or diplomas in Engineering be repealed.

II. That the following degrees be hereby established, viz., Civil Engineer (C. E.), Mining Engineer (M. E.), Mechanical Engineer (M.E.), Electrical Engineer (E. E.).

III. That the following be the conditions and regulations governing the conferring of the said degrees :—

1. A candidate for one of the said degrees shall hold the Diploma of the School of Practical Science and the degree of Bachelor of Applied Science of the University of Toronto, except in the case provided for in clause 11 hereunder.

2. He shall have spent at least three years after receiving the degree of Bachelor of Applied Science in the actual practice of the branch of Engineering wherein he is a candidate for a degree.

3. Intervals of non-employment or of employment in other branches of Engineering shall not be included in the above three years. It shall not be necessary that the several periods requisite to make up the said three years be consecutive.

4. Satisfactory evidence shall be submitted to the University Examiners as to the nature and length of the candidate's professional experience for the purposes of clauses 2 and 3.

The Examiners shall satisfy themselves by oral or written examinations in regard to the candidate's experience and competence.

5. The candidate shall prepare an original Thesis on some engineering subject in the branch in which he wishes a degree; the said Thesis to be accompanied by all necessary descriptions, details, drawings, bills of quantities, specifications, and estimates.

The candidate may be required at the option of the Examiners to undergo an examination in the subject of this Thesis.

6. Notice in writing shall be sent to the Registrar not later than the first day of February, informing him of the degree to which the candidate wishes to proceed, and of the title of his proposed Thesis, for the approval of the Senate.

7. The evidence under clause 4, and the Thesis, with accompanying papers described in clause 5, shall be sent to the Registrar not later than the first day of May.

8. The candidate shall be required to present himself for examination in the month of May at such times as may be arranged by the Registrar.

9. The fee for any one of the said degrees shall be twenty dollars, and shall be paid to the Bursar not later than the first day of May.

10. The Thesis, drawings and other papers submitted under clause 7 shall become the property of the University.

11. Candidates who graduated from the School of Practical Science before June, 1895, shall not be required to hold the degree of Bachelor of Applied Science.



**Examinations.**

Candidates for the degree must pass two examinations, an intermediate and a final, an interval of not less than one year intervening between them. Until further provision be made, a certificate of having passed the intermediate examination of the Royal College of Dental Surgeons of Ontario will be accepted by this University.

Applications for the final examination, which will be held at a time fixed by the Committee on Examinations, must present to the Registrar satisfactory certificates, covering all the requirements relating to undergraduates as given above, and of having passed the intermediate examination. The subjects for intermediate examination shall be:—

- (a) Comparative Dental Anatomy.
- (b) General Histology.
- (c) Bacteriology.
- (d) Theory of Operative Dentistry.
- (e) Theory of Dental Prosthetics.
- (f) Dental Technique.
- (g) Dental Materia Medica and Therapeutics.
- (h) Principles and Practice of Medicine and Surgery as applied in Dentistry.
- (i) Anatomy.
- (k) Physiology.
- (l) Chemistry.

The subjects for final examination shall be:

- (a) Theory and Practice of Operative Dentistry.
- (b) Theory and Practice of Dental Prosthetics.
- (c) Dental Pathology.
- (d) Dental Histology.
- (e) Principles and Practice of Medicine and Surgery as applied in Dentistry.
- (f) Dental Materia Medica and Therapeutics.
- (g) General Anatomy and special Anatomy of Head and Neck.
- (h) Physiology.
- (k) Chemistry.
- (l) Jurisprudence.

(These Examinations will be written.)

- (m) Practical Dentistry.

Candidates shall be examined in practical work from time to time, during the session of the Royal College of Dental Surgeons, on completion of the required work in the Infirmary and Laboratory of the College.

Candidates may take the final examination in Anatomy and Chemistry at the close of the Second college year, on payment of a fee of two dollars.

No candidate shall be considered as having passed the examination who has not obtained 60 per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least 40 per cent. of the marks allotted to such subject.



**Equivalent Examinations.**

Examinations in the Faculty of Arts in the Department of Natural Science Division I, are accepted in lieu of examinations for the degree of Doctor of Dental Surgery, as follows :—

- (a) Physiology and Chemistry of the Second year for the Physiology and Chemistry of the intermediate examination.
- (b) Histology of the Fourth year for the General Histology and Bacteriology of the intermediate examination.
- (c) Chemistry of the Third year and Physiology of the Fourth year for Chemistry and Physiology of the final examination.

**Fees.**

The fee for matriculation examination shall be five dollars.

The fee for registration of a certificate accepted in lieu of said examination shall be five dollars.

The fee for final examination shall be ten dollars.

The fee for the degree of D.D.S. shall be fifteen dollars.

No fee shall be charged for transference from any Faculty of this University to the Department of Dentistry.

The fee for admission *ad eundem gradum* shall be twenty dollars.

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## CURRICULUM IN PHARMACY.

## Degree of Bachelor of Pharmacy.

## Matriculation.

Candidates for the degree of Bachelor of Pharmacy must either :

1. Possess a degree in Arts (not an Honorary degree) from some recognized University, or
2. Have already matriculated in the Faculty of Arts, or the Faculty of Law, or the Faculty of Medicine in this or some other University in Canada, or
3. Be matriculants in the College of Physicians and Surgeons of Ontario, or
4. Have passed the Primary or the Junior or Senior Leaving examinations of the Education Department of Ontario in which Latin has been taken.

Provided always that all candidates registered as apprentices of the Ontario College of Pharmacy, or who have received the diploma of the College of Pharmacy up to the first day July, A.D. 1898, shall be admitted as matriculants in the Department of Pharmacy on payment of the registration fee of five dollars.

## Regulations.

Undergraduates (candidates for the degree), resident in the Province of Ontario must have complied with all the requirements prescribed from time to time by the Council of the Ontario College of Pharmacy for admission to examination for a diploma licensing to practice Pharmacy in Ontario, and must have received from the Registrar of the Ontario College of Pharmacy a certificate of having passed the Final examination of that College.

Candidates for the degree, not resident in Ontario, must have devoted at least four years (not being engaged in any other business) to the study of Pharmacy, being apprenticed during that time to a regularly qualified Pharmaceutical Chemist ; must have attended the full courses of lectures, embracing all the subjects of the curriculum, the length of each course being not less than that required from time to time by the Council of the Ontario College of Pharmacy, and including practical work at some College of Pharmacy recognized by this University ; the last of which courses must be at the Ontario College of Pharmacy.

All candidates who have, prior to August 15th, 1892, received the diploma of the Ontario College of Pharmacy shall not be required to conform to the above, but shall be allowed their degree on passing the examination on the subjects hereinafter given.

**Examinations.**

Candidates for the degree must pass an examination to be held in the month of May of each year—hour and date of commencing to be hereafter given—must present to the Registrar satisfactory certificates covering all the requirements relating to undergraduates as given above, and of having passed the final examination of the Ontario College of Pharmacy.

The subjects of the examination shall be as follows :

1. Botany and Microscopy.
2. Theory and Practice of Chemistry and Toxicology.
3. Materia Medica, including Posology and Pharmacognosy.
4. Theory and Practice of Pharmacy, including Interpretation of Prescriptions and Dispensing.

These examinations shall be partly written, partly oral, and partly practical.

No candidate shall be considered as having passed the examination who has not obtained fifty per cent. of the marks allotted; nor shall a candidate be considered as having passed in any subject who has not obtained at least forty per cent. of the marks allotted to such subject.

**Fees.**

For Matriculation or registration of matriculation. . . . .	\$5 00
For annual examination (each) . . . . .	10 00
For each practical examination . . . . .	0 50
For the degree Phm.B. . . . .	10 00

No fee shall be charged for transference from any faculty of this University to the Department of Pharmacy.

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**CURRICULUM IN AGRICULTURE.**

The Course of Study for an Associate Diploma of the Ontario Agricultural College is one of two years, and embraces the following subjects :—

**First Year.**

Agriculture.	Veterinary Anatomy.
Live Stock.	Veterinary Materia Medica.
Dairying.	English Grammar.
Poultry.	English Literature.
Apiculture.	English Composition.
Inorganic Chemistry.	Drawing.
Organic Chemistry.	Book-keeping.
Zoology.	Arithmetic.
Botany.	Mensuration.
Geology.	

**Second Year.**

Agriculture.	Veterinary Pathology.
Live Stock.	Veterinary Surgery and Practice.
Dairying.	English Grammar.
Poultry.	English Literature.
Apiculture.	Political Economy.
Horticulture.	Drawing.
Agricultural Chemistry.	Mechanics.
Analytical Chemistry.	Physics.
Systematic and Economic Botany.	Levelling and Road-making.
Entomology.	

**Third Year.**

Any Associate who ranks high in the the theory and practice of the first two years, and takes not less than sixty per cent. of the aggregate number of marks in English Grammar, Literature and Composition, may remain for a third year and take the following course for the degree of B. S. A. (Bachelor of the Science of Agriculture).

*General course to be taken by all Third year students :—*

**Agriculture.**

1. Review of First and Second year work.
2. Lectures and practical work (Fall Term).

**Chemistry.**

1. Review of Second year work in Agriculture and Animal Chemistry.
2. General Chemistry, lectures, with experiments, 2 hours per week till Christmas.
3. Reading: Storer, Vol. I, Chaps. 1, 2, 3, 4, 7, 8, 10, 11, and 12; Vol. II, Chaps. 5, 6, 7, 8, 9, 10, 15, 17, 18, and 19; Manual of Cattle Feeding (Armsby).

**Geology.**

1. Lectures: A general review of the subject, referring particularly to the ages, systems and formations in Canada; special attention to the geology of Ontario, New Brunswick, Nova Scotia, Manitoba, and the North-West, with regard to their most valuable economic products; the disintegration and decomposition of rocks in the formation of soil, etc.
  2. Reading: Elements of Geology (Le Conte), Part I, Chaps. 2 and 3; Part II, Chaps. 5 and 6; Part III, Chaps. 3 and 5.
- Reference.—Handbook of Canadian Geology (Dawson).

**Botany.**

1. Structural and Physiological Botany; cells and tissues of plants; organs of vegetation and reproduction; plants in relation to soil; processes of absorption, circulation, assimilation, metabolism and transpiration.
  2. Vegetable Histology; technique of microscope; mounting, examination, and drawing of vegetable cells and tissues, etc.
  3. Reading: Botany (Bastin).
- Reference.—Physiological Botany (Goodale).

**English.**

**COMPOSITION:** The writing of impromptu compositions and four original essays in connection with the study of models of prose style as found in "Representative Essays." There will be no examination on this part of the work, but marks assigned for compositions written during the year will count as one paper at the final examinations.

A general acquaintance with the character of the work of the following writers, together with special study of the specified selections:—

SHAKESPEARE, Henry IV, Othello and the Tempest; MILTON, Paradise Lost, Bks. I and II, and Comus; POPE, Eloise to Abelard; ADDISON, Spectator, Essays 213, 215, 224, 279, and 285; WORDSWORTH, Michael, Intimations of Immortality, Tintern Abbey, and the Ode to Study; SCOTT, Kenilworth; BYRON, Childe Harold, Canto II; MACAULAY, BYRON; TENNYSON, In Memoriam, The Holy Grail, The Lotos Eaters, Ulysses, and Crossing the Bar; PANOGAST, Introduction to English Literature.

In order to pass in this department, it is necessary above everything else that the candidate know how to spell correctly, and be able to write good English.

NOTE.—Students intending to take the Third year, must read the following works and selections during the previous summer, or at some time previous, and be prepared to pass an examination on them at the beginning of the year in October: Storer's Agriculture, selections given above; Manual of Cattle Feeding (Armsby); Shakespeare's Henry IV; Kenilworth (Scott); Childe Harold, Canto II (Byron); Essay on Byron (Macaulay). The marks obtained at this examination will be counted in determining the standing in Chemistry and English.

*Special Courses—One to be taken by each Third year student.*

### I.—Agriculture and Dairying.

Students intending to take this course must present a certificate of having spent at least one year at practical work with a good farmer, and a recommendation from the Farm Superintendent at the College with regard to his proficiency in farm work as exhibited during the first two years of his College course.

#### Agriculture.

GENERAL FIELD AGRICULTURE: Soils, soil physics, methods of cultivation, draining, manures, rotation of crops, adaptation of soils to different plants, seeds and seeding, growing and harvesting of crops, including a scientific and practical knowledge of the grasses and clovers found in Ontario, and all else pertaining to the soils and crops of this Province.

Microscopic study of rust, smut, and other injurious fungi affecting farm crops, with notes on methods of treatment and prevention.

Reading: All works and selections prescribed for first and second years; Storer's Agriculture, Vols. I and II; The Soil (King); Reports and Bulletins as directed.

#### Live Stock.

1. CATTLE: The principal breeds of beef and dairy cattle, including Short-horns, Herefords, Aberdeen-Angus, Galloways, Sussex, Devons, Ayrshires, Jerseys, Guernseys, Holsteins, Crosses, and Grades; general characteristics, with emphasis on the strong and weak points of each; principles and practice of breeding; foods, foddere, feeding and management.

2. SHEEP: The principal breeds of sheep, including Shropshires, Oxford Downs, Southdowns, Hampshire Downs, Suffolks, Cotswolds, Lincoln, Leicester, Dorset Horns and Merinos; the general characteristics, with the strong and weak points, of each as regards carcass, wool and mutton; breeding; food, feeding, and management of flock, ewes and lambs; also an exact and thoroughly practical knowledge of the different kinds of wool.

3. SWINE: Principal breeds of swine, including Berkshires, Yorkshires, Tamworths, Poland Chinas, Chester Whites, Duroc Jerseys, Suffolks and Victorias; general characteristics, with emphasis on strong and weak points of each; breeding; foods, feeding and management.

4. HORSES: Heavy-draught—Clydesdale, Shire, Suffolk Punch, and Percheron; Coach horses—Hackney, Cleveland Bay, etc.; roadsters; thorough-

breeds; saddle horses; horse-breeding; education of horse; soundness; foods, feeding and management.

5. **POULTRY**: Principal breeds of poultry, including Wyandottes, Plymouth Rocks, Javas, American Dominiques, Andalusians, Leghorns, Minorcas, Spanish, Brahmas, Cochins, Langshans, Hamburgs, Polish, French, Dorkings, India Game and Black-Red Game; poultry houses; food, feeding and management of poultry.

6. Reading: Stock Breeding (Miles); Live Stock Hand Books; Farm Live Stock of Great Britain (Wallace), Chaps. 3, 4, 5, 6, 7, and 17; The Business Hen (Rural Publishing Co., N. Y.); Reports and Bulletins as directed.

### Dairying

1. Theory and practice in everything pertaining to the setting of milk, handling of milk and cream, milk-testing, butter-making, cheese-making, and the running of cream separators, etc., as required of students in the special Dairy Course; pasteurization of milk: Dairy Bacteriology; experimental work; and original investigation.

2. Reading: American Dairying (Gurler), Cheddar Cheese-Making (Decker), Milk-Testing (Schoenman), Milk, Butter, and Cheese (Oliver), The Farm and the Dairy (Shelden), and Dairy Bacteriology (Russell).

### Entomology.

1. Review of Second year work.

2. Further study of those species which attack farm and garden crops.

3. Reading: Insects and Insecticides (Weed), and portions of Comstock's Entomology.

Reference.—Insects Injurious to Fruits (Saunders).

Practical work in afternoons; a record of practical work throughout the year to be kept; practical, as well as written, examinations in live stock, dairying, and entomology; and the whole record of daily work, practical examinations, and written examinations to be taken into account in determining the standing of students.

## II—Horticulture, Botany, and Entomology.

Students intending to take this course must present a certificate of having spent at least one year at practical work with a good fruit grower, market gardener, or florist, and a recommendation from the College Horticulturist as to ability and proficiency in the practice of horticulture during the first two years of his College course.

### Horticulture.

FRUIT GROWING: 1. General Review of Second year lectures.

2. Laboratory work in pollination; propagation of plants; preparation of insecticides and fungicides; management of pumps, nozzles, and other appliances for spraying; laying out of orchards and fruit gardens; classification and description of fruits; making drawings of fruits.

3. Reading : American Fruit Culturist (Thomas), Amateur Fruit Grower (Green), Small Fruit Culturist (Fuller), Nursery Book (Bailey), and The Apple in North America (Bailey).

VEGETABLE GARDENING : 1. General review of Second year lectures.

2. Laboratory work in testing seeds and conditions favourable to germination ; transplanting seedlings ; forcing vegetable crops ; handling and storing vegetables ; planning, arrangement, and rotation of crops in garden ; making of hotbeds and cold frames, etc.

3. Reading : How to make the Garden Pay (Greiner), Vegetable Garden (Vilmorin), and Origin of Cultivated Plants (De Candolle).

FLORICULTURE : 1. Lecture based on work in laboratory and greenhouses.

2. Laboratory work in the preparation of soil for plants ; propagating plants ; study of the effects of atmosphere, temperature, and light on plants ; watering ; trimming ; training ; treatment of frozen plants ; resting plants ; making collections suitable for window, conservatory, hanging basket, rockeries and flower beds ; arrangement of plants for effect.

3. Reading : Home Floriculture (Vick), and Practical Floriculture (Henderson).

ARBORICULTURE : 1. Lectures on the importance of forests, their effect on climate, etc. ; kinds of trees, their occurrence, habits, and uses ; raising trees from seed ; planting and management of trees with a view to shelter, ornaments and economy.

2. Reading : Practical Forestry (Fuller).

#### Botany.

1. General review of first and second year work, with Spaulding's Introduction to Botany as a text-book.

2. Systematic botany and experimental plant physiology ; mounting of 100 plants ; collection and identification of seeds of 25 species of weeds.

3. Microscopic study of injurious fungi which affect orchard, garden, and greenhouse crops and plants.

4. Reading : Experimental Plant Physiology (Oels and Macdougall) ; Physiological Botany for Gardeners (Sorauer) ; Fungi and Fungicides (Weed) ; bulletins, reports, and special literature as directed.

#### Entomology.

1. Review of Second year work.

2. Further study of species, especially those which attack orchard, garden, and greenhouse crops and plants.

3. Reading : Insects and Insecticides (Weed), Insects Injurious to Fruit (Saunders), and portions of Comstock's Entomology.

Practical work in afternoons ; a record of practical work throughout the year to be kept ; occasional examinations on reading and practical work to be held ; and the whole record of daily work, practical examinations, and written examinations to be taken into account in determining the standing of students.



### III.—Biology.

#### Botany.

1. Review of First and Second year work, with Spaulding's Introduction to Botany as a text-book.

2. Systematic Botany : Mounting of 100 plants ; collection and identification of 25 species of weeds.

3. Experimental Plant Physiology : Laboratory work with Experimental Plant Physiology, by Oels and Macdougall, as a text-book.

4. Vegetable Histology : Methods ; imbedding, section cutting, mounting of tissues, etc., with Thomas's Vegetable Histology as a text-book, and references to Lee's Microtometist's Vade Mecum, Zimmerman's Micro-Technique, Bower's Practical Botany, and special literature as directed.

5. Cryptogamic Botany and Plant Pathology : A laboratory course, supplemented by lectures ; microscopic study of the diseases of plants ; remedies, etc. ; collection and identification of 25 species of injurious fungi.

Reading and Reference : Fungi and Fungicides (Weed) ; British Uredineae and Ustilagineae (Plowright) ; British Fungous Flora (Massee) ; Myxogastres (Massee) ; Biology of Ferns (Atkinson) ; special and current literature as directed.

6. Reading : As prescribed by professor, including portions of Text Book of Botany by Vines, and Outlines of the Classification of Plants by Goehel ; also current literature.

Books of reference : Spotton, Part II ; Manual of Botany (Gray) ; Practical Botany (Bowers) ; Comparative Anatomy of the Phanerogams and Ferns (De Barry) ; Physiological Botany (Sachs).

#### Zoology.

1. Lectures and laboratory work, including dissection and critical examination of typical specimens of the main divisions of the animal kingdom.

2. Histology (elementary work) : Methods ; imbedding, cutting, and mounting of specimens, with Huber's Normal Histology as a text-book.

3. Reading : As prescribed by professor, including portions of Invertebrate Zoology (McMurrich), Zoology (Wright), and Biology (Parker).

Reference : Biology (Huxley) ; Practical Zoology (Cotton) ; Zootomy (Parker).  
DISSECTING INSTRUMENTS, etc., to be provided by student, say 1 scalpel, 1 pair scissors (fine), 1 pair forceps, and a lens.

### IV.—Bacteriology.

#### Bacteriology.

1. The microscope and its technique.

2. Life history and structure of bacterial cell ; form and classification of bacteria ; requirements and chemistry of bacteria ; staining ; preparation of culture media.

3. Laboratory work with non-pathogenic and pathogenic germs ; methods of infection ; post mortem and microscopical examination.

4. Reading: Principles of Bacteriology (Abbott); Manual of Bacteriology (Sterubeng); Dairy Bacteriology (Russell); Bacteriology (Novy).

#### Histology.

Methods: Imbedding, cutting, mounting, and drawing of specimens. Klein's Histology.

After completing the above course the student will be required to specialize in some line of bacteriological work, to be chosen in consultation with the Bacteriologist; and to prepare a thesis on original work done in the line of his specialty.

Special reading and books of reference will be prescribed for each student according to the line of investigation chosen by him.

### V.—Chemistry and Physics.

#### Chemistry.

1. Organic Chemistry,—elementary course of 48 lectures.

2. Inorganic Chemistry,—a course of 28 lectures.

3. LABORATORY WORK:

(1) Preparation of 82 Organic Compounds (Orendorf).

(2) Full course in Qualitative Analysis.

(3) Gravimetric and Volumetric Analysis.

(4) Quantitative Analysis of Water, Soils, Manures, Fodders, Dairy Products, etc.

4. Reading: As prescribed by the Professor of Chemistry, including Introduction to the study of the Carbon Compounds (Remsen); Elliott and Storer's Qualitative Chemical Analysis; Principles of Theoretical Chemistry (Remsen); and portions of Manual of Qualitative Chemical Analysis (Fresenius); Inorganic Chemistry, Advanced Course (Remsen); Principles and Practice of Agricultural Analysis (Wiley).

TEXT-BOOKS: Agricultural Chemistry (Warington); Agriculture (Storer, Vols. I. and II.); Manual of Cattle Feeding (Armsby); Compounds of Carbon (Remsen); Inorganic Chemistry, Advanced Course (Remsen); Laboratory Manual (Orendorf).

#### Physics.

1. Review of Second year work.

2. Soil Physics; The Soil (King).

3. Electricity: Electric current, batteries, induction, theory and construction of dynamo electric lighting, etc.

4. Reading: as prescribed by teacher, including portions of Electricity and Magnetism (Thompson), Electricity (Forbes), Experimental Science (Hopkins), and Dynamo-Electric Machinery (Thompson).

*Notes regarding Special courses. In all Special courses:*

1. A record of each student's practical work throughout the year will be kept.

2. A record of each student's reading, as tested from time to time, will also be kept.

3. Practical, as well as written, examinations will be held wherever such examinations are practicable.

4. Each student shall prepare a Thesis on some branch or department of the work in his special course. This Thesis must be based chiefly on original work, and must be approved in order to pass. The subject of such Thesis must be selected not later than the 10th of December, in order that the student may devote some time to it during the Christmas vacation. All Theses must be handed to the committees of adjudication on 1st May.

5. The Thesis and the whole record of daily work, reading, practical examinations, and written examinations, will be taken into account in determining the standing of each student.

Laboratory work in the afternoons is required of all Third year students.

All Third year students are to provide themselves with forceps, slides, and cover-glasses.

An Associate whose general standing would entitle him to take the Third year, but who has failed to reach the required percentage in English, may be admitted by passing a special examination on prescribed work in that subject.

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## CURRICULUM IN MUSIC.

### Degree of Bachelor of Music.

The Degree of Bachelor of Music (Mus. Bac.) will be conferred by the University of Toronto upon students of Music, on compliance with the requirements of the curriculum in Music which may from time to time be prescribed by the Senate.

### Matriculation.

The candidate for the Degree of Bachelor of Music must pass the following examination of the University for a certificate of proficiency in general education :—

#### I. ENGLISH.

**ENGLISH GRAMMAR AND RHETORIC :** The main facts in the development of the language. Etymology and Syntax, including the inflection, classification and elementary analysis of words, and the logical structure of the sentence. Rhetorical structure of the sentence and paragraph. As far as possible the questions shall be based on passages from authors not prescribed.

**COMPOSITION :** An essay to which special importance will be attached, on one of several themes set by the examiners: In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay, the effective ordering of the thought, and the accurate employment of a good English vocabulary. About three pages of foolscap is suggested as the proper length for the essay; but quality, not quantity, will be mainly regarded.

**LITERATURE :** Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of, the prescribed texts. The candidate will be expected to have memorized some of the finest passages, and to have read carefully both prose and poetry outside of the specified work. In addition to questions on the following selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself :—

1897.

**GOLDSMITH :** The Traveller, The Deserted Village.

**BYRON :** Fourth Canto of Childe Harold.

The following selections from Palgrave's Golden Treasury :—

**WORDSWORTH :** "She was a Phantom of Delight," The Green Linnet, To the Cuckoo, and the following Sonnets : England and Switzerland, Upon Westminster Bridge, The Inner Vision.

- KEATS : Ode to Autumn, Ode to a Nightingale, and the following Sonnets :  
 On Chapman's Homer, The Terror of Death, The Human Seasons.  
 SHELLEY : Ozymandias, To a Skylark, The Recollection.  
 SCOTT : The Outlaw, Jock o' Hazeldean, The Rover, Rosabelle.

## 1898.

TENNYSON : Morte D'Arthur, Elaine, Recollections of the Arabian Nights, To Virgil, Early Spring, Ulysses, "You Ask Me Why," "Of Old Sat Freedom," "Love Thou Thy Land," Freedom, Oenone, The Lotos Eaters, Crossing the Bar, Lady of Shalott, St. Agnes Eve, Sir Galahad, the six interlude songs in the Princess, and "Tears, Idle Tears."

The following selections from Palgrave's Golden Treasury :—

GRAY : Ode on Vicissitude, Ode on the Spring, Elegy written in a Country Churchyard, Ode on Eton College.

COWPER : Sonnet to Mary Unwin, To the Same, The Castaway, The Poplar Field, The Shrubbery.

## II. ARITHMETIC.

Simple rules, vulgar and decimal fractions, proportion and interest.

## III. One of the following languages :—

## 1. GREEK.

Translation into English of passages from either of the prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the prescribed texts by additional practice in the translation of Greek.

Grammatical questions on the passages from prescribed texts shall be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences, and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts :—

1897 : Selections from XENOPHON, Anabasis I, in White's Beginner's Greek Book (pp. 304-428) with the exercises thereon ; HOMER, Iliad I.

1898 : Selections from XENOPHON, Anabasis I, in White's Beginner's Greek Book (pp. 304-428) with the exercises thereon ; HOMER, Iliad VI.

## 2. LATIN.

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of passages from some easy prose author, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the prescribed texts by additional practice in the translation of Latin.

Grammatical questions on the passages from prescribed texts shall be set, and such other questions as arise naturally from the context.

Translation from English into Latin of sentences and of easy narrative passages upon the prescribed prose texts.

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The following are the prescribed texts :—

1897: VIRGIL, *Æneid* III; CÆSAR, *Bellum Gallicum* II, III, IV.

1898: VIRGIL, *Æneid* I; CÆSAR, *Bellum Gallicum* II, III, IV.

N.B.—The Roman method of pronouncing Latin is recommended: *ā* as in *far*; *ǣ* the same sound but shorter; *ē* like *a* in *fate*; *ĕ* as in *set*; *ī* as in *machine*; *ĭ* as in *fit*; *ō* as in *note*; *ō* as in *obey*; *ū* as in *rude*; *ŭ* as in *full*; *j* (i.e., *i* consonant) like *y* in *year*; *v=w*; *c* and *g* always hard as in *can*, *go*; *s* always as in *this*, never as in *his*; *t* always as *t*, never as *sh*; *ai* as *ai* in *aisle*; *ae* either as *ai* in *aisle*, or as *ay* in *bay*; *au* as *ou* in *our*; *ei* as in *feint*; *eu=ēh-oo*; *oe* as *oi* in *oil*; *ui* almost as *we*.

### 3. FRENCH.

The candidate's knowledge of Grammar will be tested mainly by questions based upon prose extracts.

The examination in Composition will consist of (a) translation into French of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, (b) formation in French of sentences of similar character, and (c) translation of passages from English into French.

Translation at sight of modern French, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the following texts by additional practice in the translation of French :—

1897: DE MAISTRE, *Voyage autour de ma chambre*; LABICHE, *la Grammaire*.

1898: ENAULT, *le Chien du Capitaine*; FEUILLET, *la Fée*.

### 4. GERMAN.

The candidate's knowledge of Grammar will be tested mainly by questions based upon prose extracts.

The examination in Composition will consist of (a) translation into German of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, (b) formation in German of sentences of similar character, and (c) translation of passages from English into German.

Translation at sight of modern German, to which special importance will be attached. Candidates will be expected to have supplemented the reading of the following texts by additional practice in the translation of German :—

1897: LEANDER, *Träumereien* (selected by Van Daell).

1898: HAUFF, *das Kalte Herz*, Kalif Storch.

### 5. ITALIAN.

Elementary Grammar (Grandgent's Grammar and the Italian Principia recommended); translation into Italian of short English sentences; and an examination on the following text :—

1897, 1898: DE AMICIS, *Cuore* (I Racconti mensili).

In lieu of the above a certificate of having passed the Primary or any subsequent examination in a High School, or Matriculation in Arts in any University in Her Majesty's Dominions, including one of the languages: Greek, Latin, French, German, Italian will be accepted.

Candidates at the Junior Leaving or Junior Matriculation examination who fail to pass such examination, but who obtain the necessary percentage in the subjects required for Matriculation in Music may, on petition to the Senate, be granted Matriculation in Music.

Special applications for Matriculation may be dealt with by the Senate.

The Senate may in the case of musicians of established reputation who apply for standing in the Faculty of Music, dispense with the Matriculation examination.

### Undergraduate Course.

In addition to Matriculation the candidate must have passed three examinations, theoretical and practical, before the degree of Bachelor of Music may be granted.

All candidates must prove ability as practical musicians :—

- (a) As actual performers upon the pianoforte, organ or some orchestral instrument.
- (b) As vocalists with satisfactory knowledge of pianoforte accompaniment.

#### First Year.

##### THEORY OF MUSIC :

1. Harmony in three and four parts.
2. Counterpoint in two and three parts.
3. Musical History up to 1750.

##### PRACTICAL MUSIC :

Candidates shall be required to play—on the piano or some orchestral instrument—or sing :—

1. Test exercises of a technical character.
  2. Two compositions (or portions of them), selected by the examiner.
- They shall also be required to play at the keyboard :—
- (a) A four-part harmony upon a given figured bass.
  - (b) A simple chorale, or an accompaniment to a song, in a key other than that in which the piece is written.

**Second Year.****THEORY OF MUSIC :**

1. Harmony in not more than five parts.
2. Strict Counterpoint (including the treatment of the various species in combination) in not more than four parts.
3. Double Counterpoint.
4. Fugue, and Canon, in not more than three parts.
5. Elements of Acoustics.
6. History of Music from 1750 to the present time.

**PRACTICAL MUSIC :**

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

Two compositions (or portions of them), selected by the examiner.

They shall also be required to play, at the keyboard, the following tests, etc.:—

1. A figured bass, to be filled up, making a piece of four-part harmony.
2. A melody, to be harmonized in four parts.
3. To modulate from one key to another, as asked for by the examiner.
4. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
5. An extract of four-part vocal score.

**Third Year.****THEORY OF MUSIC :**

1. Harmony in not more than six parts, including some original work in four or five parts.
2. Strict, and free, Counterpoint in not more than five parts, with illustrations of imitative work.
3. Canon, and Fugue with special reference to the Episode, in four parts.
4. A general review of the History of Music from the earliest period to the present time.
5. Musical forms, and analysis.
6. Instrumentation, and scoring for the various sections of a modern orchestra.
7. Analysis of the full orchestral score of some classical work—1897 Beethoven's Choral Symphony, No. 9.

**PRACTICAL MUSIC :**

Candidates shall be required to play—on the piano or some orchestral instrument—or sing:—

Two or three compositions (or portions of them), selected by the examiner.



They shall also be required to play, at the key-board, the following tests, etc. :—

1. A melody to be harmonized in four parts.
2. A piece of music, or an accompaniment to a song, to be transposed into a key named by the examiner.
3. From a piece of vocal score.
4. To extemporize, in proper form, upon a given phrase.
5. From an orchestral score, and reproduce, as to pitch, the portions asked for.

In addition to the prescribed course for the Final examination, an original composition, either sacred or secular, will be required, containing five-part harmony, imitative counterpoint and four-part fugue with orchestral accompaniment and sufficiently long to occupy fifteen minutes in performance.

Candidates for the degree may defer presenting this composition until a subsequent annual examination.

A certificate of having passed the examinations of the First and Second years of the affiliated College of Music will be accepted *pro tanto* in lieu of the First year examination.

The examination for the diploma of the affiliated College of Music will be accepted *pro tanto* in lieu of the First and Second year examinations.

The Senate may admit *ad eundem statum* undergraduates of other Universities after due inquiry as to the requirements demanded by the institutions in which the candidates obtained their standing.

Musicians of established reputation may be admitted to the degree of Bachelor of Music upon their submitting for the approval of the University examiner or examiners an original composition, consisting of any one of the following :—

1. An Oratorio.
2. A Cantata.
3. A Symphony.
4. An extended piece of Chamber Music.

### Examinations.

The examinations will take place at times to be fixed by the Senate.

Applications, must be transmitted to the Registrar at times to be fixed by the Senate, and at the time of application the proper fee must be paid to the Bursar.

### Fees.

Matriculation.....	\$10 00
Each examination subsequent to matriculation.....	10 00
For admission <i>ad eundem statum</i> .....	6 00
Degree of Mus. Bac. ....	20 00

**Text Books.**

Stainer's Treatise of Harmony; Prout's Harmony; Hiles' Grammar of Music, Books I and II; Banister's Music; Bridge's Primer of Counterpoint; Prout's Counterpoint; Richter's Counterpoint (Franklin Taylor's edition); Cherubini's Counterpoint, Canon and Fugue; Prout's Double Counterpoint and Canon; Jadassohn's Canon and Fugue; Higg's Primer of Fugue; Prout's Fugue; Stainer's Primer of Composition; Prout's Musical Form; Ouseley's Musical Form; Prout's Fugal Analysis; Prout's Primer of Instrumentation; Niemann's Catechism of Musical Instruments; Berlioz on Instrumentation; Stone's Primer on Scientific Basis of Music; Sedley Taylor's Sound and Music; Sealey Taylor's Science of Music; Tyndall on Sound; Bonavia Hunt's History of Music; Naumann's History of Music; Parry's Summary of Musical History (Primer); Rockstro's History of Music; Articles in Grove's Dictionary of Music and Musicians bearing on the various subjects for examination.

Candidates are not restricted to the above list, which is only suggested. The paper work is judged irrespective of any particular author or school.

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## CURRICULUM IN PEDAGOGY.

**Degree of Bachelor of Pedagogy.**

The degree of Bachelor of Pedagogy (B. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold (1) a degree in Arts, not being an honorary degree, from a University in the British Dominions; and (2) a full first-class or High School assistant's certificate granted by the Education Department of Ontario.

2. The candidate shall pass an examination in Psychology, with its application to Pedagogy; the Science of Education; the History and Criticism of Educational Systems; School Organization and Management; Methods in English, Mathematics, Latin, and one of the following: Greek, Natural Sciences (Biology, Physics, and Chemistry), and French with German.

3. The examination shall be held in May at the University of Toronto, or in any other locality in the Province chosen by the candidate and approved by the Senate, and under a presiding examiner appointed by the Senate, provided the candidate or candidates thereat defray the cost of the local examination. The candidate shall send notice to the Registrar of the University, not later than the first of April, of the locality he has selected.

4. The fee for the degree of B. Pæd. shall be ten dollars, and shall be paid to the Bursar not later than the first day of April.

5. The following are the text-books recommended: McLellan's Applied Psychology; Dewey's Psychology; Sully's Handbook of Psychology (Appleton); Ladd's Outlines of Physiological Psychology; Quick's Educational Reformers; Mahaffy's Old Greek Education; Compayre's History of Pedagogy; Gill's Systems of Education; Spencer's Education; Fitch's Lectures on Teaching; Landon's School Management; Baldwin's School Management; Radestock's Habit in Education; Guyau, Education and Heredity, Fouillée, Education from a National Standpoint; the authorized High and Public School text-books; White's Elements of Pedagogy; Payne's (Joseph) Lectures on the Science and Art of Teaching; Report of the United States Bureau of Education on Secondary School Studies (1893); Laurie's Language and Linguistic Studies; Baine's Teaching of English; Stanley Hall's Method of Teaching History; Galloway's Education Scientific and Technical; Hinsdale's How to Study and Teach History; Youman's Culture demanded by Modern Life; Heath's Methods of Teaching Modern Languages; Colbeck's The Teaching of Modern Languages; Gouin's Art of Teaching and Studying Languages.

### Degree of Doctor of Pedagogy.

The degree of Doctor of Pedagogy (D. Pæd.) is granted under the following conditions and regulations:—

1. The candidate shall hold, (1) a degree in Arts, not being an honorary degree, from a University in the British Dominions; (2) the degree of Bachelor of Pedagogy from this University; (3) a full certificate as specialist, granted by the Education Department of Ontario, in one of the following departments: Classics, Mathematics, English, French and German, English and History, Moderns and History, Science, Natural Science; and (4) shall have had at least ten year's successful experience in Ontario, duly manifested to the satisfaction of the Committee on Examinations.

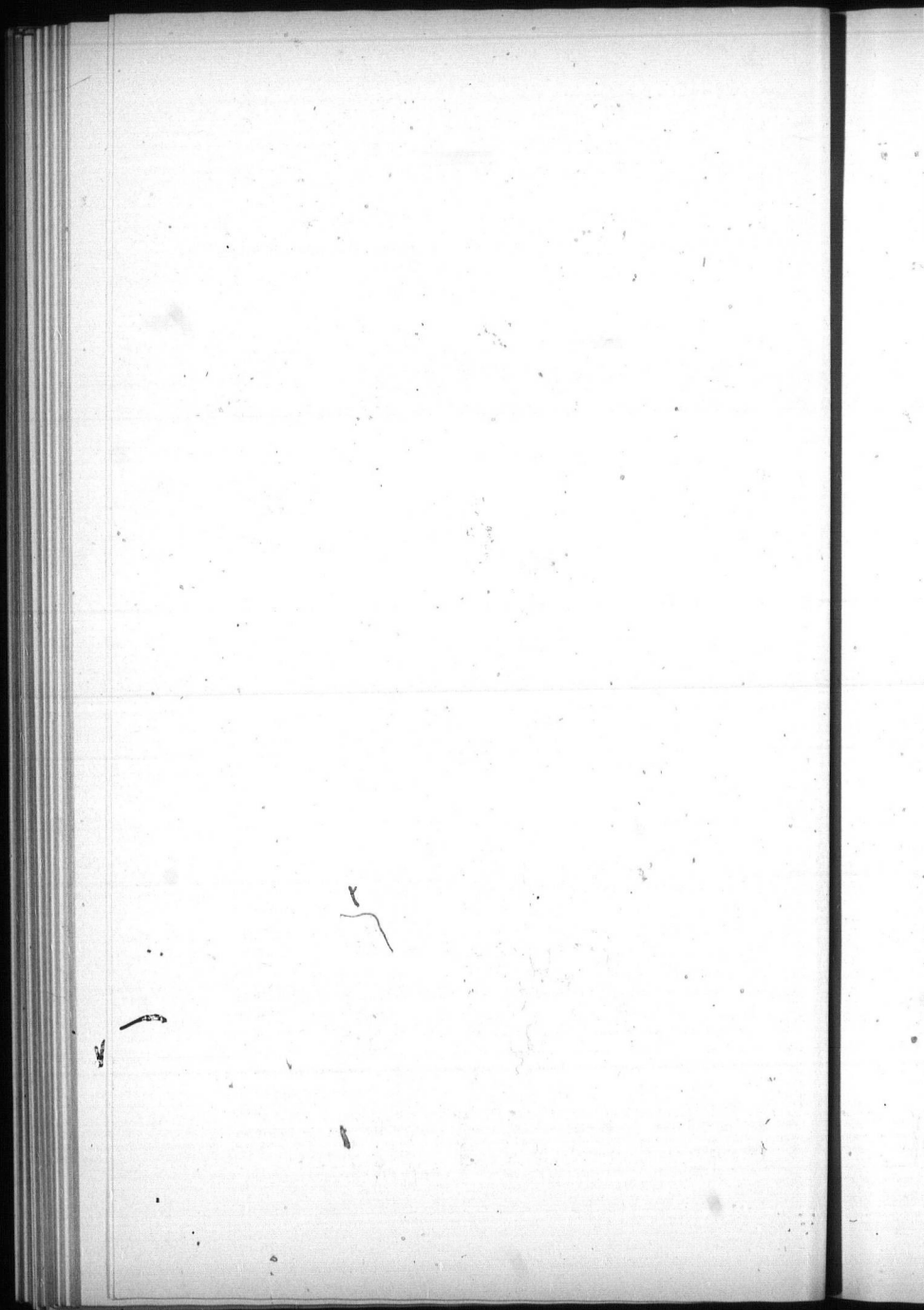
2. The candidate who holds the degree of B. Pæd. from this University may, not less than three years after having taken the degree of B. Pæd., proceed to the degree of D. Pæd., in the following manner:—

He shall pass an examination in Psychology, with its applications to Pedagogy; the Science of Education; the History and Criticism of Educational Systems; School Organization and Management; and the Methods of Teaching the subjects of Primary and Secondary Education.

3. The examination shall be held at the same time and under the same conditions as the examination for the degree of Bachelor of Pedagogy. The fee for the degree of D. Pæd. shall be ten dollars, and shall be paid by the candidate to the Bursar of the University not later than the first day of April, at which date his application and his certificate of successful experience shall be forwarded to the Registrar.

5. The following text-books are recommended for the degree of Doctor of Pedagogy: James Psychology (briefer course); Preyer's Mental Development of the Child; Langh's Apperception; Dewey's Psychology; Sully's Human Mind; Baldwin's Elements of Psychology; Laurie's Comenius; Browning's Educational Theories; Laurie's Rise and Constitution of Universities; Painter's History of Education; Compayre's History of Education; Stanley's Life of Dr. Thomas Arnold; Herbert's Science of Education; Bain's Science of Education; Fröbel's Education of Man; Courthorpe Bowen's Fröbel and the Kindergarten; Rousseau's Emile (ed. W. H. Payne); Perez' First Three Years of Childhood; De Guimp's Pestalozzi; Kleim's European Schools; Payne's (W. H.) Contributions to the Science of Education; Laurie's Primary Education; Thompson's Science of Teaching; The School Law and Regulations; White's School Management; Currie's Principles and Practice of Common School Education; White's Elements of Pedagogy; Baldwin's School Management; the more recent contributions on the school systems of Canada, the United States, England, and Germany.

At the examinations for degrees in Pedagogy the standard shall be as follows: (1) For pass, one-third of the marks assigned to each paper, (2) for second class honors, sixty-six per cent. of the total marks for all the papers, and (3) for first class honors, seventy-five per cent. of the total marks for all the papers.



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APPENDIX.

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## The University of Toronto.

## REGISTER OF STUDENTS, 1895-96.

## A. Students in Arts of the University of Toronto, University College, and Victoria University.

## First Year.

Abraham, H. E. . . . .	Whitby.	Brown, Miss N. . . . .	Toronto.
Addison, Miss M. C. . . . .	Toronto.	Burgess, Miss G. O. . . . .	Toronto.
Alexander, Miss H.B. . . . .	Galt.	Burr, Miss L. . . . .	Belleville.
Alexander, W. H. . . . .	Ottawa.	Butterworth, Miss I. S. . . . .	Windsor.
Anderson, F. W. . . . .	Toronto.	Cameron, Miss C. A. . . . .	Toronto.
Anderson, R. S. . . . .	Belleville.	Cameron, M. C. . . . .	Toronto.
Andison, Miss N. E. . . . .	Woodstock.	Campbell, D. T. . . . .	Chicago.
Arkill, W. H. . . . .	Aylmer.	Carson, W. J. . . . .	Owen Sound.
Armour, E. N. . . . .	Cobourg.	Carter, E. . . . .	Clandeboye.
Armstrong, B. M. . . . .	Toronto.	Carter, Miss J. B. . . . .	Toronto.
Armstrong, S. H. . . . .	Toronto.	Casselman, A. C. . . . .	Toronto.
Bain, L. R. . . . .	Toronto.	Cheyne, J. G. . . . .	Hamilton.
Bain, W. A. . . . .	Taunton.	Chown, Miss M. J. . . . .	Wyoming.
Ballah, J. R. . . . .	Aylmer.	Christie, Miss M. E. . . . .	Toronto.
Barrett, L. A. . . . .	Walkerton.	Cleary, E. A. . . . .	Windsor.
Bauer, Miss B. T. . . . .	Hamilton.	Cleary, Miss N. . . . .	Windsor.
Beatty, H. A. . . . .	Toronto.	Clegg, R. J. . . . .	Brussels.
Beemer, Miss C. A. . . . .	Toronto.	Cohen, M. L. . . . .	Toronto.
Bell, A. . . . .	Port Elgin.	Cook, A. H. . . . .	Toronto.
Benson, Miss C. C. . . . .	Port Hope.	Coembes, J. E. . . . .	Brussels.
Benson, T. B. F. . . . .	Port Hope.	Cotton, T. H. . . . .	Violet Hill.
Bigelow, N. C. . . . .	Chicago, Ill.	Coulter, Miss A. B. . . . .	Toronto.
Biggar, J. L. . . . .	Toronto.	Courtice, S. J. . . . .	Courtice.
Birchard, F. J. . . . .	Toronto.	Cowan, C. G. . . . .	Hamilton.
Birmingham, A. H. . . . .	Toronto.	Crich, U. P. . . . .	Clinton.
Blackwood, S. T. . . . .	Winnipeg.	Crystal, D. S. . . . .	Toronto.
Blumberger, S. . . . .	Königsberg. Ger.	Dack, Miss M. G. . . . .	Creemore.
Boddy, A. P. . . . .	Toronto.	Dakin, W. S. . . . .	Galt.
Bone, J. B. . . . .	Belgrave.	Davey, T. N. . . . .	Whitby.
Bowes, J. L. . . . .	Oakwood.	Davidson, J. E. . . . .	Union.
Bradford, J. . . . .	Toronto.	Davidson, R. . . . .	Woodstock.
Bremner, W. A. . . . .	Owen Sound.	Davidson, Miss T. G. . . . .	London.
Brennan, F. W. . . . .	Hamilton.	Davy, W. C. . . . .	Morrisburg.
Brennan, H. P. S. . . . .	Hamilton.	DeLury, G. . . . .	Manilla.
Brereton, Miss F. L. V. . . . .	Toronto.	DeWitt, N. W. . . . .	Hamilton.
Broad, H. . . . .	Toronto.	Dennis, Miss E. . . . .	Brantford.
Brown, Miss B. . . . .	Toronto.	Dickenson, E. U. . . . .	North Glanford.
Brown, J. R. . . . .	Brigden.	Dickey, Miss M. A. . . . .	Toronto.
Brown, Miss L. . . . .	Toronto.	Dickson, S. A. . . . .	Seaforth.

## First Year—Continued.

Dingman, Miss A. P. ....	Stratford.	Hurst, A. S. ....	Morpeth.
Dinning, W. H. ....	Strathroy.	Jamieson, Miss B. M. ....	Ottawa.
Dobbie, J. A. ....	Guelph.	Jeffrey, C. B. ....	Toronto.
Dodge, Miss A. M. ....	Woodstock.	Jermyn, P. T. ....	Warton.
Doherty, F. J. ....	Eglinton.	Johns, F. V. ....	Warton.
Donaldson, L. J. ....	Port William, N.S.	Johnston, Miss J. M. ....	Toronto.
Douglas, W. E. ....	Toronto.	Johnston, N. T. ....	Guelph.
Downey, Miss H. E. ....	Toronto.	Keith, A. W. ....	Toronto.
Doyle, M. ....	Dunkerron.	Kelly, H. ....	Aldbro.
Dromgole, W. J. ....	London.	Kennedy, Miss E. V. ....	Toronto.
Duckett, Miss E. ....	Whitby.	Kerr, W. A. R. ....	Toronto.
Eager, L. E. ....	Hamilton.	Kilgour, D. E. ....	Guelph.
Egan, W. E. ....	Emsdale.	Kinder, B. A. ....	Strathroy.
Elliott, J. C. ....	Kelsb.	King, G. C. ....	Kingsville.
Elliott, R. J. ....	Norwood.	Kingston, G. A. ....	West Huntingdon.
Embury, L. ....	Brampton.	Kurtz, Miss A. ....	Toronto.
Evans, Miss C. ....	Toronto.	Kyle, Miss M. H. ....	Toronto.
Fairchild, H. R. ....	Toronto.	Lackner, Miss V. A. ....	Berlin.
Farewell, F. L. ....	Drayton.	Landerkin, J. H. ....	Hanover.
Farrell, A. C. ....	Kincardine.	Langwell, A. ....	Belleville.
Ferguson, G. A. ....	Jerseyville.	Lapatnikoff, Miss P. ....	Toronto.
Fisher, J. H. F. ....	Toronto.	Lawson, Miss J. K. ....	Toronto.
Forbes, W. ....	Stratford.	Le Sueur, R. V. ....	Sarnia.
Forbes, W. L. ....	Toronto.	Lewis, Miss J. ....	Toronto.
Fraleigh, A. ....	Belleville.	Little, James ....	Birr.
Gilson, J. H. ....	Duncrief.	Little, Miss S. ....	Toronto.
Gillespie, J. H. R. ....	Alvinston.	Logie, Miss M. ....	Toronto.
Glanfield, W. J. ....	Jarvis.	Lucas, Miss B. ....	Burns.
Glenn, R. R. ....	Lumley.	Lucas, Miss L. ....	Toronto.
Gooderham, N. F. ....	Toronto.	Macdonald, Miss M. ....	Toronto.
Gooderham, M. R. ....	Toronto.	Macdougald, G. ....	Brampton.
Gordon, R. H. ....	Belleville.	Mackay, W. F. ....	Woodstock.
Gould, Miss E. W. ....	Colborne.	Macklem, J. E. ....	Hespeler.
Graham, H. D. ....	Bradford.	Mahaffy, F. W. ....	Coleman.
Grange, E. W. ....	Napanee.	Manson, Miss F. ....	Peterborough.
Grant, A. ....	St. Mary's.	Martin, Wm. ....	Massie.
Grant, A. A. ....	Toronto.	Matthews, Miss O. C. ....	Toronto.
Gray, J. ....	Port Credit.	Mercer, W. C. ....	Owen Sound.
Grenfell, Miss L. ....	Carleton Place.	Meredith, J. R. W. ....	Toronto.
Groves, W. A. ....	Fergus.	Millar, Miss G. E. ....	Toronto.
Gunby, J. S. ....	Nelson.	Miller, Miss N. ....	Eglington.
Halliday, F. W. ....	Chesley.	Miller, R. H. ....	Toronto.
Harcourt, F. Y. ....	Welland.	Monds, J. J. ....	Caledon E.
Harvey, A. L. ....	Balmoral, Wis.	Montgomery, W. H. ....	Solna.
Haslam, R. H. A. ....	Springfield, P.E.I.	Moorehouse, G. E. ....	London, Eng.
Hastings, G. W. ....	Park Hill.	Moorhead, R. D. ....	Mt. Albert.
Hedley, R. W. ....	Canfield.	More, J. H. ....	Belleville.
Henderson, V. E. ....	Toronto.	Morgan, A. E. ....	Kerwood.
Henwood, Miss A. F. ....	Welcom.	Morgan, Miss H. E. ....	Hamilton.
Hills, William ....	Egmondville.	Morrison, Miss A. M. ....	Toronto.
Hobbs, Thomas ....	Columbus.	Mortimore, W. J. ....	London.
Howard, F. H. ....	Hampton.	Mugan, J. J. ....	Ridgetown.
Hughes, Miss H. M. ....	Toronto.	Mugan, P. J. ....	Ridgetown.
Hunter, J. B. ....	Woodstock.	Mullin, R. H. ....	Hamilton.
Hunter, R. G. ....	Toronto.	Musson, H. S. ....	Toronto.
Hurlbut, L. C. ....	Mitchell.	McAlpine, R. J. ....	Collingwood.

... Toronto.  
 ... Toronto.  
 ... Belleville.  
 ... Windsor.  
 ... Toronto.  
 ... Toronto.  
 ... Chicago.  
 Owen Sound.  
 Clandeboye.  
 ... Toronto.  
 ... Toronto.  
 ... Hamilton.  
 ... Wyoming.  
 ... Toronto.  
 ... Windsor.  
 ... Windsor.  
 ... Brussels.  
 ... Toronto.  
 ... Toronto.  
 ... Brussels.  
 Violet Hill.  
 ... Toronto.  
 ... Courtice.  
 ... Hamilton.  
 ... Clinton.  
 ... Toronto.  
 ... Creemore.  
 ... Galt.  
 ... Whitby.  
 ... Union.  
 Woodstock.  
 ... London.  
 Morrisburg.  
 ... Manilla.  
 ... Hamilton.  
 ... Brantford.  
 ... th Glanford.  
 ... Toronto.  
 ... Seaforth.



## First Year—Continued.

McArthur, Miss E. M. ....	Hamilton.	Sadler, W. A. ....	Toronto.
McCallum, Miss K. ....	Stratford.	Savary, T. W. ....	Annapolis Royal, N.S.
McCartney, J. H. S. ....	Jarvis.	Scarfe, R. B. ....	Brantford.
McCredie, A. L. ....	Belleville.	Scarlett, Thos. ....	Powassen.
McDougall, A. ....	Ottawa.	Scott, A. A. ....	Oshawa.
McDougall, D. ....	Strathroy.	Scott, H. H. ....	Belleville.
McEntee, F. D. ....	Rochester, N.Y.	Scott, Miss L. ....	Windsor.
McGhee, R. J. ....	Horning's Mills.	Scott, T. K. ....	Toronto.
McKee, Miss K. E. ....	Toronto.	Sealey, Miss E. M. ....	Hamilton.
McKerachar, D. A. ....	Dutton.	Shepard, E. ....	Hamilton.
McKinley, Miss G. ....	Toronto.	Shortreed, W. J. ....	Toronto.
McLaren, A. K. ....	Guelph.	Simpson, J. J. W. ....	Whitechurch.
McLean, H. ....	Ballinafad.	Smeaton, W. ....	Hamilton.
McLean, H. W. ....	Port Hope.	Smith, A. ....	Morpeth.
McLean, W. I. ....	Blyth.	Smith, E. H. ....	Cainsville.
McLeod, A. H. ....	Brucefield.	Smith, E. H. ....	Toronto.
McMordie, S. ....	Kippen.	Smith, H. J. J. ....	Toronto Junction.
McNairn, W. H. ....	Toronto.	Smith, W. G. ....	Cupid, Newfoundland.
Nash, Miss M. A. ....	St. Thomas.	Snell, A. E. ....	Bolton.
Neilson, Miss E. M. ....	Calgary, Alta.	Sprott, R. ....	Collingwood.
Nicholson, R. R. ....	Strathroy.	Standish, W. H. ....	Palmerston.
Orniston, A. ....	Columbus.	Steele, R. K. ....	Orfina.
Parry, J. R. ....	Dunnville.	Stewart Miss I. ....	Toronto.
Patterson, Miss A. W. ....	Oakville.	Stewart, J. B. ....	Essex.
Patterson, R. B. ....	Creemore.	Stratton, W. A. ....	Toronto.
Patterson, R. H. ....	Agincourt.	Sullivan, B. G. ....	Toronto.
Petch, S. S. ....	Griersville.	Takagi, Mitzutaro. ....	Shizuoka, Japan.
Pickett, J. K. ....	Willowdale.	Taylor, Miss E. J. ....	London.
Plaskett, J. S. ....	Toronto.	Tegler, R. ....	Walkerton.
Pollard, Miss M. M. ....	Toronto.	Tennant, Miss I. ....	Toronto.
Pomeroy, J. C. ....	Durham.	Thackeray, B. ....	Rosemeath.
Powell, E. G. ....	Toronto.	Thompson, R. ....	Cobourg.
Powers, J. W. ....	Creey.	Thompson, R. B. ....	Dunnville.
Poynter, A. J. ....	Cherrywood.	Tom, P. H. ....	Goderich.
Preston, Miss E. E. ....	Toronto.	Treble, C. E. ....	Toronto.
Price, Miss E. E. ....	Cooksville.	Trenaman, Miss M. N. ....	St. Thomas.
Price, T. W. ....	Newburgh.	Trotter, A. T. ....	Galt.
Proctor, Miss C. B. ....	Sarnia.	Turkington, E. ....	Marlbank.
Rawlinson, E. G. ....	Toronto.	Turner, Miss M. F. L. ....	Toronto.
Rea, Wm. ....	Leadbury.	Umphrey, G. W. ....	Udora.
Renison, W. T. ....	Sault Ste. Marie.	Urquhart, D. W. S. ....	Mimico.
Rennie, W. ....	Swansea.	Vance, W. R. ....	Birnham.
Reyner, Miss M. B. ....	Cobourg.	Wainwright, H. P. ....	Orillia.
Richardson, F. ....	Belleville.	Waldie, R. S. ....	Toronto.
Richardson, J. T. ....	Gananoque.	Walker, W. T. R. ....	Warton.
Robb, E. G. ....	Toronto.	Wallace, Miss H. O. ....	Toronto.
Robertson, N. S. ....	Arnprior.	Watson, Miss M. M. ....	Mimico.
Robertson, W. H. ....	Goderich.	Weaver, Miss E. C. ....	Toronto.
Robinson, Miss M. ....	Toronto.	Weetman, Miss S. A. ....	Barrie.
Rosebrugh, Miss B. E. ....	Toronto.	White, E. T. ....	Toronto.
Ross, Miss A. ....	Clinton.	White, H. C. ....	Granton.
Ross, G. W. ....	Toronto.	White, Miss L. K. ....	Woodstock.
Ross, J. M. ....	Embro.	Whiteside, N. ....	Toronto.
Russell, T. A. ....	Exeter.	Whyte, D. ....	Markdale.
Rutherford, W. A. ....	Colborne.	Wight, L. S. ....	Belleville.
Ruthven, J. D. ....	Dutton.	Wilcox, E. M. ....	Owen Sound.

## First Year—Continued.

Will, G. E. ....	Toronto.	Winters, G. A. ....	Toronto.
Williams, Miss A. G. ....	Toronto.	Woolverton, Miss H. ....	Hamilton.
Williams, A. S. ....	Newmarket.	Wooster, Miss T. ....	St. Thomas.
Willson, H. G. ....	Toronto.	Wren, J. S. ....	Chiselhurst.
Wilson, N. R. ....	Cobourg.	Wright, Miss D. F. ....	Toronto.
Wilson, R. J. ....	Newton Robinson.	Young, W. A. ....	Belleville.

## Second Year.

Alexander, J. H. ....	Brampton.	Cooper, Miss M. C. ....	Melbourne.
Allin, Miss E. ....	Toronto.	Cowan, Miss M. L. ....	London.
Allingham, T. D. ....	Elora.	Crane, Miss C. C. ....	Toronto.
Allison, W. T. ....	Toronto.	Craw, R. W. ....	Barrie.
Anderson, A. W. ....	Toronto.	Crosby, A. H. ....	Murden.
Armstrong, E. F. ....	Goderich.	Cruikshank, Miss J. ....	Weston.
Ashwell, Miss A. E. ....	Strathroy.	Currelly, C. T. ....	Toronto.
Auld, C. ....	Eden Mills.	Curry, H. E. ....	Walkerton.
Baker, W. E. ....	Bradford.	Cushing, A. T. ....	Toronto.
Balls, G. H. ....	Petrolia.	Danard, Miss F. A. ....	Allenford.
Barhite, Miss F. A. ....	Toronto.	Davidson, J. H. ....	Lake Charles.
Beale, Miss A. M. ....	Toronto.	Dawson, Miss A. J. C. ....	London.
Beatty, E. W. ....	Toronto.	Dawson, H. J. ....	Little Current.
Beatty, Miss M. H. ....	Toronto.	Day, Miss M. J. ....	Creemore.
Bentley, G. P. ....	Dublin, Ireland.	Deacon, Miss F. ....	Milton.
Bigger, O. M. ....	Toronto.	Delve, A. R. ....	Cresswell.
Birnie, Miss J. ....	Collingwood.	Deroche, Miss E. E. ....	Napanee.
Bishop, E. T. ....	Exeter.	Dinnick, S. D. ....	Toronto.
Black, G. ....	Georgetown.	Dobson, R. J. ....	Epsom.
Blyth, R. B. ....	Belwood.	Docker, W. A. ....	Wallacetown.
Bogart, E. G. ....	Belleville.	Dowd, G. K. ....	Toronto.
Bolton, S. E. ....	Toronto.	Drake, F. G. ....	Toronto.
Bourne, C. K. ....	St. Thomas.	Elder, W. J. ....	Henshall.
Bowes, Miss E. ....	Brantford.	Ellison, D. I. ....	Tottenham.
Browne, W. G. ....	Toronto.	Facey, R. A. ....	New Hamburg.
Buckton, T. L. ....	Olds, Alberta.	Faull, J. H. ....	Belleville.
Burbank, Miss A. ....	Brantford.	Fife, Miss M. H. A. ....	Peterborough.
Burnham, A. M. ....	Port Perry.	Fitzgerald, W. G. ....	Ottawa.
Carlyle, R. M. ....	Reid's Mills.	Fitz-Randolph, C. S. ....	Fredericton, N.B.
Carman, F. A. ....	Belleville.	Flavelle, Miss E. G. ....	Lindsay.
Carpenter, W. F. ....	Winona.	Flint, C. W. ....	Stouffville.
Carr, W. N. ....	Hopeville.	Follett, C. W. ....	Western Bay, Nfld.
Carson, C. M. ....	London.	Forbes, W. B. ....	Sarnia.
Cars, J. O. ....	Smith's Falls.	Forster, E. C. ....	Claude.
Caskey, W. D. ....	St. Thomas.	Foster, A. H. ....	Oakwood.
Chapman, J. F. ....	Kirby.	Fralick, R. S. ....	Unionville.
Charlton, W. A. ....	Toronto.	Fraser, C. McL. ....	Bluevale.
Chase, R. M. ....	Orillia.	Freebury, J. B. ....	Blount.
Clark, G. M. ....	Toronto.	Gahan, B. ....	London.
Clark, R. J. ....	Toronto.	Gibbs, Miss E. M. ....	Port Arthur.
Clarke, C. F. ....	St. Thomas.	Gillilan, Miss V. ....	Bowmanville.
Clarke, Miss M. ....	Brockville.	Gilpin, V. J. ....	Sirton.
Cleland, F. A. ....	Meaford.	Goodall, A. J. ....	Galt.
Coates, Miss K. ....	Melbourne, Australia.	Gould, Miss M. A. ....	Toronto.
Coburn, J. ....	Toronto.	Graham, Miss M. M. ....	Toronto.
Cohoe, B. A. ....	Palermo.	Greer, R. H. ....	Toronto.
Coleman, B. A. ....	Markdale.	Grenfell, Miss C. P. ....	Carleton Place.

... Toronto.  
 s Royal, N.S.  
 Brantford.  
 Powassen.  
 Oshawa.  
 Belleville.  
 Windsor.  
 Toronto.  
 Hamilton.  
 Hamilton.  
 Toronto.  
 Whitechurch.  
 Hamilton.  
 Morpeth.  
 Cainsville.  
 Toronto.  
 Junction.  
 swfoundland.  
 Bolton.  
 Collingwood.  
 Palmerston.  
 Orillia.  
 Toronto.  
 Essex.  
 Toronto.  
 Toronto.  
 uka, Japan.  
 London.  
 Walkerton.  
 Toronto.  
 Rosemeath.  
 Cobourg.  
 Dunnville.  
 Goderich.  
 Toronto.  
 St. Thomas.  
 Galt.  
 Marlbank.  
 Toronto.  
 Udora.  
 Mimico.  
 Birnam.  
 Orillia.  
 Toronto.  
 Warton.  
 Toronto.  
 Mimico.  
 Toronto.  
 Barrie.  
 Toronto.  
 Granton.  
 Woodstock.  
 Toronto.  
 Markdale.  
 Belleville.  
 Owen Sound.

## Second Year—Continued.

Gundy, H. W. ....	Toronto.	Merritt, R. N. ....	Smithville.
Gunn, J. M. ....	London.	Miller, J. S. ....	Hamilton.
Hamilton, W. T. ....	Motherwell.	Miller, T. O. ....	Westford.
Hare, A. W. ....	St. Catharines.	Mode, R. H. ....	Vankleek Hill.
Harper, F. C. ....	Barrie.	Montgomery, A. H. ....	Brantford.
Harvey, Miss M. A. ....	London.	Montgomery, Miss B. ....	Toronto.
Hawkins, Miss M. M. ....	Toronto.	Moore, Miss E. G. ....	Toronto.
Healey, Miss A. K. ....	Strathroy.	Moore, Miss E. M. D. ....	Islington.
Henry, Miss E. M. ....	Napanee.	Muir, J. G. ....	Swansea.
Herity, J. O. ....	Moir.	Muirhead, Miss E. W. ....	Toronto.
Hewitt, F. J. ....	Heathcote.	Mullins, Miss K. L. ....	Toronto.
Hill, H. P. ....	Ottawa.	Munroe, H. ....	Embro.
Henderson, J. ....	Wellandport.	Munroe, W. A. ....	Kagawong.
Hinch, N. E. ....	Camden E.	Murray, G. M. ....	Strathroy.
Hobbs, J. W. ....	London.	McAuslan, B. C. ....	Galt.
Holmes, J. H. ....	Newark.	McCracken, D. E. ....	St. Marys.
Howard, R. H. ....	Toronto.	McDougall, Miss H. B. ....	Ottawa.
Howe, E. L. ....	Pakenham.	McFarlane, A. E. ....	Toronto.
Howitt, J. R. ....	Guelph.	McGillivray, N. H. ....	Whitby.
Hull, W. J. ....	Caledonia.	McKechnie, N. ....	Erin.
Hunter, A. ....	Toronto.	McKichan, M. D. ....	Hamilton.
Hunter, Miss G. H. ....	Toronto.	McKinley, M. ....	Seaford.
Hunter, Miss M. E. ....	Toronto.	McKinnon, K. ....	Guelph.
Hutton, Miss M. ....	Forest.	McNamara, J. W. ....	Ripley.
Ingram, A. P. ....	Toronto.	McQuesten, C. ....	Hamilton.
Inkster, J. G. ....	Orkney, Scotland.	Nelson, H. W. ....	Fergus.
Irwin, A. M. ....	Glandine.	Nicholson, Miss A. M. ....	Strathroy.
Jackson, A. E. L. ....	Fergus.	Norris, A. D. ....	Effingham.
Jackson, J. A. ....	Innisville.	Northway, Miss M. ....	Toronto.
Jackson, Miss R. E. ....	Toronto.	Noxon, S. C. ....	Ingersoll.
Johnston, A. J. ....	Palmerston.	O'Higgins, H. J. ....	London.
Johnston, Miss H. ....	Toronto.	Partridge, H. L. ....	Crown Hill.
Johnston, J. F. ....	Glencee.	Patterson, T. A. ....	Toronto.
Kendall, G. ....	Ridgetown.	Peacock, P. ....	Stroud.
Kerney, W. F. ....	Brussels.	Peake, Miss P. ....	Toronto.
Kerr, Miss I. M. ....	Toronto.	Peace, Miss M. J. ....	Toronto.
Kirkwood, Miss F. E. ....	Brampton.	Pegg, G. E. ....	Vivian.
Kitto, V. ....	Brampton.	Perkins, R. J. M. ....	Gorrie.
Lamont, Miss N. J. ....	Chesley.	Petch, Miss H. ....	Toronto.
Leech, W. H. C. ....	Davenport.	Pettit, Miss M. ....	Simcoe.
Lemon, J. H. ....	Toronto.	Fringle, G. C. E. ....	Galt.
Lick, Miss A. ....	Oshawa.	Reed, J. P. ....	Guelph.
Lick, Miss M. ....	Oshawa.	Richardson, J. D. ....	Wallaceburg.
Little, A. ....	Conn.	Robertson, L. F. ....	Stratford.
Lundy, R. A. ....	Brampton.	Robinson, S. R. ....	Markham.
Lynde, Miss A. ....	Madoc.	Rogers, J. ....	Fullarton.
MacBrien, Miss B. ....	Prince Albert.	Rosenstadt, Miss B. ....	Hamilton.
Macdonald, C. S. ....	Toronto.	Ross, D. A. ....	Toronto.
Macdonald, Miss H. S. G. ....	Toronto.	Rowell, Miss M. C. ....	London.
MacGregor, A. ....	Toronto.	Rowland, R. H. ....	Toronto.
Martin, W. M. ....	Exeter.	Rumball, Miss H. ....	Clinton.
Mason, G. ....	Oakville.	Rushbrooke, N. F. ....	Toronto.
Mason, Miss M. K. ....	Toronto.	Rutherford, F. R. ....	S. Monaghan.
Mather, A. J. ....	Weston.	Saunders, P. W. ....	Toronto.
Maxwell, F. J. ....	Toronto.	Scott, R. S. ....	Moorefield.
Menhennick, Miss M. L. ....	Ingersoll.	Shepherd, M. W. ....	Riceville.

## Second Year—Continued.

Shotwell, J. T. ....	Berlin.	Thompson, A. E. ....	Markdale.
Sifton, J. W. ....	Strathroy.	Thompson, R. B. C. ....	Strathroy.
Simmons, J. W. ....	Toronto.	Tribble, W. J. ....	Shelburne.
Sinclair, D. A. ....	Toronto.	Toil, S. L. ....	Ouvry.
Sinclair, N. R. D. ....	Whitby.	Trimble, D. H. ....	Essex.
Skinner, Miss M. H. ....	Toronto.	Tucker, S. T. ....	Toronto.
Slaght, W. E. ....	London.	Wagar, G. L. ....	Enterprise.
Slater, Miss M. M. ....	Niagara Falls.	Waters, J. M. ....	Niagara Falls.
Smith, A. W. ....	Whitby.	Webb, Miss F. M. ....	Brighton.
Smith, F. R. ....	London.	Weir, Miss J. ....	Eastwood.
Smithson, J. T. A. ....	Graystock.	Wells, J. W. ....	Toronto.
Smyth, Miss H. H. ....	Rowena.	Wellwood, H. E. ....	Meaford.
Snell, B. ....	Pt. Huron, Mich.	White, D. B. ....	Welland.
Spark, G. ....	Petherton.	White, E. ....	Toronto.
Sparling, J. J. ....	Barrie.	White, R. O. ....	Prince Albert.
Stark, F. H. ....	Toronto.	Willis, C. L. ....	Seaford.
Steer, A. B. ....	Niagara Falls, Ont.	Wilson, E. B. ....	Harriston.
Stovel, Miss M. ....	Toronto.	Wilson, J. A. ....	Alliston.
Swansey, Miss G. E. ....	Toronto.	Wilson, R. L. ....	Greenway.
Tait, M. C. ....	St. Thomas.	Wilson, Miss W. ....	Toronto.
Ten Eyck, J. W. ....	Hamilton.	Yarwood, Miss M. C. St. G. ....	Belleville.

## Third Year.

Abbott, W. J. ....	Brockville.	Clegg, C. H. ....	Owen Sound.
Baird, I. W. ....	Motherwell.	Colclough, T. A. ....	Almonte.
Bale, G. S. ....	Hamilton.	Colling, G. F. ....	Toronto.
Bapty, Miss M. ....	London.	Cooper, G. ....	Richmond Hill.
Barker, Miss R. ....	Toronto.	Cornelle, C. G. ....	Melbourne.
Barron, F. H. ....	London.	Counsell, J. L. ....	Hamilton.
Battle, T. F. ....	Toronto.	Craig, W. D. ....	Port Hope.
Bean, H. R. ....	Cauton.	Cranston, R. A. ....	Caledon E.
Beattie, William ....	Palmerston.	Creighton, C. D. ....	Toronto.
Bingemann, Miss I. B. ....	Berlin.	Currie, C. J. ....	Toronto.
Blewett, G. J. ....	St. Thomas.	Davidson, J. W. ....	Union.
Booth, W. J. ....	Oakville.	Deeks, Miss E. ....	Morrisburgh.
Boulbee, H. ....	Toronto.	Dewar, Miss H. P. ....	Toronto.
Boulbee, Miss R. ....	Toronto.	Dickson, W. M. ....	St. Mary's.
Boyle, A. E. ....	London.	Dingman, E. C. ....	Stratford.
Bradley, R. R. ....	Kingsmere.	Dobbie, W. J. ....	Guelph.
Bray, G. ....	Listowel.	Dodds, T. ....	Bensfort.
Brown, C. ....	Chesterville.	Dunn, G. M. ....	Port Credit.
Brown, Miss J. P. ....	Niagara Falls.	Eastwood, Miss M. O. ....	Whitby.
Bruce, J. H. ....	Toronto.	Edgar, W. W. ....	Toronto.
Brunt, R. A. ....	Kerwood.	Elliott, T. ....	Smithville.
Buchanan, G. E. ....	Zurich.	Ellis, Miss E. M. ....	Toronto.
Burgess, T. A. ....	Ottawa.	Evans, H. M. E. ....	Toronto.
Burns, W. T. ....	Toronto.	Fisher, A. E. ....	Athens.
Burton, Miss B. ....	Toronto.	Forbes, Miss F. E. ....	Toronto.
Cameron, H. D. ....	Toronto.	Fraser, Miss B. G. ....	Toronto.
Cameron, J. L. ....	Homer.	Fraser, J. W. ....	Embro.
Campbell, C. ....	Toronto.	French, B. ....	Caledonia.
Carriek, J. J. ....	Kincardine.	Fulton, A. M. ....	Chesterville.
Caswell, W. C. ....	Grimsby.	Gibson, T. ....	Ingersoll.
Clark, M. N. ....	Aberdeen.	Gilbert, H. S. ....	Pictou.

## Third Year—Continued.

Gilroy, W. E. ....	Mount Forest.	McMichael, Miss E. R. ....	Toronto.
Glashan, Miss F. S. ....	Ottawa.	McNab, A. E. ....	Walkerton.
Goodeve, F. W. ....	Toronto.	McNeece, T. I. ....	Sand Hill.
Goodwin, G. W. ....	Grimsby.	McPhail, Miss E. J. ....	Campbellville.
Graham, G. W. ....	Toronto.	Narraway, H. H. ....	Toronto.
Graham, L. H. ....	Paisley.	Nelles, Miss L. F. C. ....	Toronto.
Greenwood, W. H. ....	Whitby.	Nicol, J. M. ....	London.
Hall, L. S. ....	Toronto.	Nichols, Miss B. H. ....	Hamilton.
Hancock, J. H. ....	Galt.	Noble, G. W. K. ....	Toronto.
Hansford, W. F. ....	Toronto.	O'Brien, L. J. ....	Loskey.
Harcourt, J. R. ....	St. Ann's.	O'Flynn, J. L. ....	Colborne.
Harvey, Miss M. ....	Wyoming.	O'Flynn, P. W. ....	Madoc.
Hendrick, A. C. ....	Frankford.	Osler, Miss A. ....	Toronto.
Hendrick, A. W. ....	Frankford.	Page, R. B. ....	Concord.
Heyland, E. R. R. ....	Holbrook.	Parsons, J. L. R. ....	Toronto.
Hills, Miss M. ....	London.	Philip, H. G. R. ....	Hamilton.
Hinch, Miss E. M. ....	Napanee.	Pool, G. F. ....	Dundas.
Holdsworth, C. W. ....	Port Hope.	Pool, T. W. ....	Dundas.
Hood, T. C. ....	Comet.	Pritchard, H. J. ....	Fergus.
Hore, A. H. ....	Valentia.	Race, C. E. ....	Port Hope.
Howson, Miss E. B. ....	Toronto.	Railton, R. ....	Smithville.
Hunt, J. S. ....	Bracebridge.	Reed, Miss A. T. ....	Toronto.
Irwin, E. E. ....	Markdale.	Reid, J. C. ....	Lucknow.
Jackson, J. A. ....	Egmondville.	Richardson, R. J. ....	Varna.
James, F. G. ....	Bowmanville.	Robertson, Miss E. L. ....	Toronto.
Johnston, F. J. ....	Palmerston.	Robertson, J. N. ....	Toronto.
Jolliffe, R. O. ....	Campbellford.	Robinson, P. J. ....	Toronto.
Jones, C. G. ....	Paris.	Ross, Miss J. M. ....	Toronto.
Jordan, H. L. ....	Toronto.	Ruddell, T. W. ....	Oustic.
Keith, G. W. ....	Toronto.	Sampson, Miss B. H. ....	Toronto.
Keys, C. ....	Clarksburg.	Sandwell, B. K. ....	New Britain, Conn.
Kyles, R. N. ....	Camilla.	Scott, Miss E. E. ....	Brampton.
Laidlaw, T. ....	Mayfield.	Scott, F. H. ....	Toronto.
Langrill, Miss A. J. ....	Ohsweken.	Scott, W. B. ....	Toronto.
Lefroy, A. G. ....	Toronto.	Sellery, G. C. ....	Kincardine.
Little, H. M. ....	London.	Sglwood, F. S. ....	Listowel.
Livingstone, Miss N. E. ....	Toronto.	Sheridan, Miss F. L. ....	Toronto.
Love, W. D. ....	London.	Sherwood, Miss L. ....	Napanee.
Macdonald, F. C. ....	Bendale.	Shier, W. C. ....	Leaskdale.
Mackinnon, W. A. ....	Grimsby.	Shotwell, W. ....	Berlin.
Maclaren, W. ....	Toronto.	Sinclair, Miss M. ....	Walkerton.
Martin, J. S. ....	Cheapside.	Smeaton, W. ....	Picton.
Matheson, F. ....	Amour.	Smith, B. M. ....	Toronto.
Maxwell, A. M. ....	Brockville.	Smith, Miss M. ....	Whitby.
Mickle, Miss S. ....	Toronto.	Spence, R. E. ....	Peterborough.
Millar, F. G. ....	Warton.	Stevenson, J. ....	Renfrew.
Mills, Miss H. B. ....	Hamilton.	Stevens, J. M. ....	Chatham.
Muckle, C. P. ....	Toronto.	Stewart, W. K. ....	Toronto.
Muldrew, J. S. ....	Seaforth.	Swinnerton, G. F. ....	Hayle, Eng.
Munro, W. N. ....	Carlton Place.	Tapscott, C. E. S. ....	Brantford.
McCallum, J. A. ....	Strange.	Tasker, L. H. ....	Mount Forest.
McCrae, J. ....	Glenmorris.	Taylor, J. T. ....	Galt.
McCready, S. B. ....	Harriston.	Taylor, Miss L. E. ....	Toronto.
McIntosh, A. W. ....	Seaforth.	Tennant, Miss A. E. ....	Toronto.
MacIntyre, A. D. ....	Paisley.	Terryberry, A. I. ....	Hamilton.
McKerchar, D. ....	Wroxeter.	Thompson, D. W. ....	Markdale.

## Third Year—Continued.

Thompson, F. W.	Ashgrove.	Wilson, Miss G. A.	Whitevale.
Tiffin, A. C.	Nile.	Wilson, R. C.	Cumberland.
Trout, J. H.	Toronto.	Wilson, R. L.	Greenway.
Wallbridge, J. E.	Belleville.	Wilson, R. R.	Belfontaine.
Ward, Miss A. H.	Barrie.	Wishart, A. C.	Shiloh.
Watt, A. B.	Brantford.	Woodworth, F. D.	Welland.
Webster, S. C.	Elora.	Wyse, C. M.	Puslinch.
Werry, F. W. O.	Tyrone.	Young, F. A.	Toronto.
Wightman, R.	Deer Park.	Young, W. D.	Stouffville.
Will, J. S.	Toronto.	Zimmerman, G. F.	Allenburg.

## Fourth Year.

Ackerman, Miss E.	Pictou.	Edgar, Miss M. C.	Toronto.
Addison, A. P. C.	Toronto.	Ellis, T. H.	Parry Sound.
Allin, R. W.	Pine Dale.	Ewing, A. F.	Salem.
Armstrong, G. H.	Toronto.	Falconbridge, J. D.	Toronto.
Arnold, G.	Mount Albert.	Ferguson, J. A.	Eversley.
Barr, A. F.	Lindsay.	Fortune, Miss M. E. A.	Toronto.
Bell, C. C.	Chatham.	Foster, J. M.	Toronto.
Bensley, B. A.	Hamilton.	Freeman, C. W.	Freeman.
Blaikie, Miss F. M.	Toronto.	Garrow, C.	Goderich.
Blaikie, Miss M. E.	Toronto.	Gibson, J. G.	Ottawa.
Bonis, Miss S.	St. Mary's.	Gillespie, Miss E. L.	Pictou.
Boyd, R.	Russell.	Gould, M. G. V.	Oshawa.
Bragg, T. G.	Bowmanville.	Graham, Miss E. M.	Toronto.
Brand, H.	Langford.	Graham, Miss	Toronto.
Bryan, C. G.	Toronto.	Graham, H. A.	St. Mary's.
Burner, J. W.	Bowmanville.	Graham, W. H.	St. Mary's.
Burchill, J.	Ashburn.	Gray, A. C.	Komoka.
Carder, E. D.	St. Thomas.	Gregory, A. R.	Hawtreay.
Carr, W. R.	Passawick.	Hamilton, Miss A. A.	Toronto.
Carveth, H. R.	Port Hope.	Heal, Miss C.	Munro.
Cawthorpe, Miss M. M.	Thamesford.	Henry, G. S.	Toronto.
Chapman, A. R.	Bond Head.	Henwood, G. B.	Port Hope.
Clark, J. A.	London.	Hobbs, W. R.	London.
Clark, W.	Toronto.	Hodgson, J. B.	Cranston.
Clute, A. R.	Toronto.	Hosking, E. R. C.	Toronto.
Clute, Miss E. M.	Toronto.	Howard, O. W.	Watford.
Coates, R. H.	Clinton.	Howland, G. W.	Toronto.
Combe, Miss J. A.	Clinton.	Hutchison, J. F.	Owen Sound.
Cosens, A.	Seaforth.	l'Anson, Mrs. S. R.	Toronto.
Couch, I.	Tyrone.	Irwin, R. F.	Toronto.
Cowan, Miss G. I.	Toronto.	Jackman, D. S.	Kilsyth.
Crig, E. E.	Carsonby.	Jackman, W.	Kilsyth.
Dandy, W. P.	Cassbury.	Jacombe, F. W. H.	Guelph.
Day, D. C.	Dalrymple.	Jennings, J.	Toronto Junction.
Dewar, A. M.	Toronto.	Johnston, F. K.	Toronto.
Dobell, A. C.	Quebec.	Kingsmill, Miss M. G.	Toronto.
Douglas, Miss J. E.	Chatham.	Kingston, A. C.	Toronto.
Duncan, Miss M. G.	Richmond Hill.	Kitching, J. W.	Tobermory.
Duffas, Miss A.	Toronto.	Lafferty, Miss I. S. E.	Chatham.
Dupran, G. O.	Rednersville.	Laidlaw, W. C.	Toronto.
Durand, Miss E. A.	Toronto.	Laird, Miss L. R.	London.
Es-kin, T.	Moneymore, Ireland.	Lang, Mrs. E.	Toronto.
Edgar, Miss K. B.	Toronto.	Langford, Miss N.	Orangeville.

## Fourth Year—Continued.

Lash, Miss C. ....	Toronto.	Riddell, Miss A. R. ....	Toronto.
Lash, Miss E. A. ....	Toronto.	Riordon, C. C. ....	St. Catharines.
Lee, Miss K. ....	Toronto.	Roach, W. J. ....	Toronto.
Le Rossignol, Miss A. E. ....	Toronto.	Rogers, Miss M. E. ....	Toronto.
Lillie, F. S. ....	Toronto.	Rose, Miss W. ....	Toronto.
Little, J. W. ....	Trenton.	Ross, R. J. ....	Braemar.
Macdonald, Miss B. ....	Toronto.	Rowland, J. A. ....	Toronto.
Mackenzie, A. J. ....	Lucknow.	Rush, M. L. ....	Aurora.
Macklin, Miss E. ....	Toronto.	Rutherford, Miss E. L. ....	Aurora.
Magee, H. S. ....	Arthur.	Ryckman, Miss E. E. ....	Kingston.
Marshall, C. M. ....	Abingdon.	Sanderson, A. R. ....	Brampton.
Martin, J. M. ....	Listowel.	Saunders, E. J. ....	Petrollea.
Megill, W. H. T. ....	Aurora.	Scott, A. M. ....	Caistorville.
Meighan, A. ....	St. Mary's.	Scott, G. A. ....	Forest.
Merrick, J. G. B. ....	Toronto.	Scott, Mrs. J. ....	Toronto.
Millar, Miss R. E. ....	Toronto.	Scott, R. G. ....	Aurora.
Moore, S. C. ....	Lindsay.	Seegmiller, Miss E. M. ....	Walkerton.
Morris, G. F. ....	Hamilton.	Shaw, M. A. ....	Merton.
Moshier, D. D. ....	Toronto.	Sherwood, G. F. J. ....	London.
Mountjoy, J. A. ....	Haydon.	Sinclair, A. G. ....	Toronto.
Milligan, J. C. ....	Newington.	Sinclair, N. ....	Walkerton.
MacCallum, J. B. ....	Dunnville.	Sinclair, W. E. N. ....	Whitby.
McClellan, W. A. ....	Brockville.	Smith, G. S. ....	Flesherton.
McConnell, R. C. ....	Morewood.	Spotton, A. ....	Gorrie.
McCutcheon, F. W. C. ....	Thorndale.	Stanbury, J. G. S. ....	Bayfield.
McFayden, D. ....	Toronto.	Sutcliffe, Miss L. ....	Toronto.
MacGillivray, A. H. ....	Port Elgin.	Taylor, J. G. ....	Mapleton.
MacKay, A. S. ....	Toronto.	Thompson, Miss M. V. ....	Toronto.
McKee, G. A. ....	Uxbridge.	Thompson, P. J. ....	Strathroy.
McKibbin, A. ....	Monkton.	Towers, R. I. ....	Sarnia.
McLean, J. S. ....	Port Hope.	Tucker, Miss A. B. ....	Owen Sound.
McLeish, J. ....	Toronto.	Van Every, J. F. ....	Peterborough.
McNeely, Miss L. ....	Carleton Place.	Walker, Miss E. ....	Toronto.
McRae, A. A. ....	South Finch.	Wallace, M. W. ....	Puce.
McRobbie, D. G. ....	Shelburne.	Wanless, Miss C. ....	Toronto.
McVicar, A. ....	Mull.	Wanless, Miss L. M. ....	Toronto.
McVitty, S. ....	London.	Watt, Miss L. ....	Guelph.
McWilliams, R. F. ....	Peterborough.	Weeks, J. P. ....	Toronto.
Neelands, Miss F. H. M. ....	Lindsay.	Weidenhammer, F. J. ....	Elmira.
Nichol, W. W. ....	Stratford.	Weidenhammer, W. B. ....	Elmira.
Norman, D. ....	Aurora.	White, Miss J. O. ....	Woodstock.
Nurse, F. ....	Toronto.	Wickham, Miss E. ....	Kincairdine.
Osborne, J. R. ....	Kinburn.	Wilson, M. J. ....	Stratford.
Parry, R. Y. ....	Dunnville.	Wilson, T. M. ....	Atwood.
Paterson, C. G. ....	Brantford.	Wilkins, Miss I. ....	Toronto.
Perrin, Miss E. M. ....	Lindsay.	Wood, L. G. ....	Toronto.
Perry, J. R. ....	Toronto.	Wood, W. A. P. ....	Peterborough.
Preston, J. W. ....	Napanee.	Wright, W. J. ....	St. Mary's.
Proctor, F. B. ....	Ottawa.	Wrinch, F. S. ....	Toronto.
Raddon, A. J. ....	Norwood.	Young, Miss A. H. ....	Toronto.
Rae, W. A. ....	Theford.	Young, G. ....	Erin.
Renison, R. J. ....	Sault Ste. Marie.		

## Graduate Students.

Brown, A. H., B.A. ....	Sombra.	Potter, J. G., B.A. ....	Toronto.
Burwash, E. M. J., B.A. ....	Toronto.	Robinson, T. R., B.A. ....	Toronto.
Dickie, R. W., B.A. ....	Hyde Park.	Sinclair, P. F., B.A. ....	Toronto.
Haddow, R., B.A. ....	Toronto.	Soaues, P. R., B.A. ....	Lindsay.
Lane, W. B., B.A. ....	Napanee.	Warren, H. E., B.A. ....	Glen Buell.
McCulloch, H., B.A. ....	Clifford.	Wilson, Miss M. J., B.A. ....	Toronto.

Number of Students in the First year .....	314
Number of Students in the Second year .....	248
Number of Students in the Third year .....	194
Number of Students in the Fourth year .....	189
Number of Graduate Students .....	12

Total .....	957
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... Toronto.  
 Catharines.  
 ... Toronto.  
 ... Toronto.  
 ... Toronto.  
 Braemar.  
 ... Toronto.  
 ... Aurora.  
 ... Aurora.  
 Kingston.  
 Brampton.  
 ... Petrolia.  
 ... Forest.  
 ... Toronto.  
 ... Aurora.  
 Valkerton.  
 ... Merton.  
 ... London.  
 ... Toronto.  
 Valkerton.  
 ... Whitby.  
 ... Gorrie.  
 ... Bayfield.  
 ... Toronto.  
 Mapleton.  
 ... Toronto.  
 ... Sarnia.  
 ... Sound.  
 ... Puce.  
 ... Toronto.  
 ... Toronto.  
 ... Guelph.  
 ... Toronto.  
 ... Elmira.  
 ... Elmira.  
 ... Atwood.  
 ... Toronto.  
 ... Toronto.  
 ... Mary's.  
 ... Toronto.  
 ... Toronto.  
 ... Erin.



## B. Students in Medicine of the University of Toronto.

## First Year.

Anderson, G. A. . . . .	Owen Sound.	Kitchen, W. W. . . . .	Toronto.
Archibald, T. D. . . . .	Halifax, N. S.	Leask, T. McC. . . . .	Toronto.
Bremner, W. C. P. . . . .	Minesing.	Montizambert, N. H. . . . .	Toronto.
Brethour, H. F. . . . .	Sunderland.	McArthur, P. R. . . . .	Moorefield.
Cameron, H. G. . . . .	Rob Roy.	McCallum, J. B. . . . .	Dunville.
Chisholm, J. S. . . . .	Wingham.	McCallum, S. . . . .	Sandhill.
Clark, W. T. . . . .	Exeter.	McConachie, A. V. . . . .	Welland.
Collins, H. LeG. . . . .	Kincardine.	MacDonald, W. . . . .	Windsor.
Colville, N. . . . .	Leskard.	MacDougall, A. J. G. . . . .	Toronto.
Connolly, E. L. . . . .	Belhaven.	McFall, W. A. . . . .	Bolton.
Couche, J. B. . . . .	Glace Bay, N. S.	McKay, J. J. . . . .	Woodville.
Coulter, L. McD. . . . .	Lindsay.	McKenna, C. H. . . . .	Dublin.
Dean, M. B. . . . .	Brighton.	McKichan, M. D. . . . .	Hamilton.
Dillane, K. M. . . . .	Tottenham.	McLeay, L. . . . .	Watford.
Dowsley G. W. O. . . . .	Campbellford.	McTavish F. . . . .	Ridgetown.
Farrell, T. P. . . . .	Thamesville.	Neely, D. . . . .	Harkaway.
Fletcher, W. G. . . . .	Chatham.	Parsons, J. L. R. . . . .	Toronto.
Gow, J. . . . .	Windsor.	Peters, J. H. . . . .	Fergus.
Hargreave, H. G. . . . .	Toronto.	Ramsey, G. H. . . . .	Toronto.
Hawken, R. E. . . . .	St. Catharines.	Ratcliffe, W. G. . . . .	St. Catharines.
Hazelwood, B. J. . . . .	Wroxeter.	Robinson, J. W. . . . .	Omagh.
Hendrick, A. C. . . . .	Frankford.	Russel, G. E. . . . .	Sarnia.
Holmes, C. U. . . . .	Silkirk.	Rutherford, J. W. . . . .	Chatham.
Holliday, E. J. . . . .	Brooklyn.	Schnarr, R. W. . . . .	Berlin.
Howland, G. W. . . . .	Toronto.	Smith, G. W. . . . .	Barrie.
Hunter, J. . . . .	Toronto.	Stanley, J. R. . . . .	Granton.
Jones, E. A. . . . .	Whitby.	Tanner, A. W. . . . .	Toronto.
Jordan, J. . . . .	Toronto.	Vivian, R. P. . . . .	Toronto.
Keith, J. P. . . . .	Lindsay.	Wagner, C. J. . . . .	Toronto.
Kelly, A. W. . . . .	Chatham.	Wales, H. C. . . . .	Toronto.
Kerr, J. W. . . . .	Toronto.	Wells, W. . . . .	Flesherton.
Kitchen, A. S. . . . .	Chatham.	Woods, A. C. . . . .	Barrie.

## Second Year.

Baker, J. A. . . . .	Hamilton.	Donald, W. B. L. . . . .	St. George.
Bauer, J. A. . . . .	Hamilton.	Duncan-Clark, S. J. . . . .	Toronto.
Begg, C. L. . . . .	Orilla.	Easton, J. L. . . . .	Barrie.
Bell, B. C. . . . .	St. George.	Ferris, W. D. . . . .	Horning's Mills.
Bennett, W. H. . . . .	St. Mary's.	Field, G. A. . . . .	Pickering.
Bishop, B. S. . . . .	New Minas, N. S.	Fisette, C. C. . . . .	Brantford.
Cahoon, F. . . . .	Picton.	Frizzell, W. T. . . . .	Bognor.
Cawthorpe, F. J. . . . .	Thamesford.	Garner, E. L. . . . .	Niagara Falls.
Charlesworth, J. E. . . . .	Hespeler.	Hewish, H. . . . .	Toronto.
Church, A. H. . . . .	Toronto.	Holmes, G. W. . . . .	Chatham.
Clark, W. J. . . . .	Toronto.	Hooper, E. R. . . . .	Toronto.
Colville, J. . . . .	Bowmanville.	Hossack, J. G. . . . .	Walsingham.
Crane, W. . . . .	St. Thomas.	Howey, R. . . . .	Owen Sound.
Crawford, M. M. . . . .	Toronto.	Hunter, G. L. . . . .	Toronto.
Crosby, R. . . . .	Campbellford.	Lang, C. . . . .	Granton.

Lawrenc  
Lennox,  
Libby, V  
Lindsay,  
Lovett,  
Messeca  
Mitchell  
Moore,  
McCrae,  
McDona  
McDona  
MacKen  
MacLea  
McNich  
McWilli  
Nixon, J  
O'Brien,  
O'Conor,  
Pauline,  
Piersol,  
Rae, F,

Addy, A  
Alway,  
Anderso  
Beatty,  
Burgess,  
Cambell  
Coad, W  
Culberts  
Cummin  
Cunning  
Elliott,  
Elliott,  
Forster,  
Gillies,  
Grant, J  
Hassard  
Hume,  
Jackson  
Klotz, J  
Lundy,  
Malcom  
Mathew  
Maybur

Arkell,  
Beasley,  
Bedell,  
Bier, T.  
Boyle, J  
Buchan  
Burt, G  
Connell,

## Second Year.—Continued.

Lawrence, T. H.	Sheridan	Ritchie, W. J.	Beaverton.
Lennox, J. W.	Toronto.	Roberts, J. A.	Toronto.
Libby, W.	Toronto.	Scott, W. A.	Toronto.
Lindsay, J. C.	Clinton.	Shepard, A. A.	Toronto.
Lovett, A. S.	Ayr.	Smith, R. H.	St. Catharines.
Messecar, J. W.	Waterford.	Smith, T. M.	Strathroy.
Mitchell, J. P.	Toronto.	Spence, H. W.	Toronto.
Moore, F.	Heathcote.	Stewart, A. D.	Toronto.
McCrae, J.	Guelph.	Sutherland, G. A.	Thamesford.
McDonald, R. G.	Sarnia.	Taylor, W.	Dunnville.
McDonald, T. B.	Ripley.	TenEyck, J. F.	Grimsbv.
MacKenzie, J. J.	Toronto.	Turnbull, F. D.	Milverson.
MacLean, J. L.	Sarnia.	Walker, C.	Petrolia.
McNichol, W. J.	Westover.	Webster, J. D.	Toronto.
McWilliams, V. H.	Toronto.	White, R. W. K.	Hamilton.
Nixon, J. R.	Ashgrove.	White, W. C.	Woodstock.
O'Brien, L. J.	Laskey.	Wickens, A. E.	Brantford.
O'Connor, W. J.	Toronto.	Williams, N. C.	Denver, Col.
Pauline, S.	Chesley.	Wilson, T. M.	Toronto.
Piersol, W. H.	Toronto.	Young, F. A.	Toronto.
Rae, F. N.	Oshawa.		

## Third Year.

Addy, A. H.	Tapleystown.	Morgan, J. A.	Walkerton.
Alway, W. R.	Victoria.	Morton, J. P.	Hamilton.
Anderson, W. H. K.	Ottawa.	Mullin, J. H.	Hamilton.
Beatty, H. A.	Toronto.	McDermaid, A.	Coldwater.
Burgess, A. McT.	Bala.	McDonald, A. J.	Caledonia.
Cambell, G. I.	Belwood.	McGillivray, D.	Uxbridge.
Coad, W. E. R.	Wingham.	McInnis, N.	Victoria.
Culbertson, R. B.	Durham.	McKay, W. S.	Ingersoll.
Cummings, J. A.	Bondhead.	McKibbin, R. E.	Toronto.
Cunningham, W. F.	Walkerton.	McLaren, P. F.	Guelph.
Elliott, J. H.	Hampton.	McNamara, A. T.	Fergus.
Elliott, W.	Thessalon.	McNulty, F.	St. Catharines.
Forster, F. J. R.	Palmerston.	Nichol, R. M.	Listowel.
Gillies, J. M. H.	Teeswater.	Norris, J. A.	St. Catharines.
Grant, J.	Beaverton.	Pallister, W. T.	Guelph.
Hassard, G. A.	Manilla.	Ratcliffe, S. W.	St. Mary's.
Hume, J. J. C.	Toronto.	Reid, J. B.	St. George.
Jackson, G. H.	Exeter.	Royce, G.	Davenport.
Klotz, J. E.	Ottawa.	Struthers, W. E.	Goderich.
Lundy, J. E.	Preston.	Webb, R. F.	Toronto.
Malcomson, G. H.	Toronto.	Wesley, W. J.	Newmarket.
Mathews, R. J.	Ashton.	Wright, J. S.	Little Current.
Maybury, W. F.	Toronto.	Yeomans, W. L.	Mount Forest.

## Fourth Year.

Arkell, E. H.	St. Thomas.	Cook, G. E.	Morrisburgh.
Beasley, W. J.	Weston.	Crawford, D.	Redford.
Bedell, G. C.	Hilliar.	Dales, F. A.	Toronto.
Bier, T. H.	Brantford.	Elliott, G. A.	Ouvry.
Boyle, J. F.	Toronto.	Gallow, W. T.	Toronto.
Buchanan, D.	Galt.	Goldie, W.	Ayr.
Burt, G. S.	Hillsburg.	Graef, C.	Clifford.
Connolly, B. G.	Trenton.	Gray, A.	Niagara Falls.

## Fourth Year—Continued.

Gwynn, N. B. ....	Dundas.	Rannie, J. A. ....	Chatham.
Henderson, W. J. ....	Little Britain.	Rice, W. H. ....	St. Catharines.
Hicks, E. S. ....	Port Dover.	Rivers, J. H. ....	Sarnia.
Hodgins, A. G. ....	Lucan.	Roberts, E. L. ....	Lynedoch.
Hodgins, F. W. ....	Lucan.	Robinson, E. L. ....	Toronto.
Hooper, E. M. ....	Toronto.	Rolls, J. A. ....	Chatham.
Macklin, A. H. ....	Stratford.	Ross, H. H. ....	Brucefield.
Mallock, W. J. O. ....	Meaford.	Rothwell, E. J. ....	Regina.
Marquis, J. A. ....	Brantford.	Silcox, W. L. ....	Delhi.
Moore, R. ....	Maple.	Smith, D. K. ....	Toronto.
More, G. ....	Kirktown.	Smith, I. G. ....	Ridgetown.
Morris, J. S. ....	Oshawa.	Somers, R. H. ....	Toronto.
McCallum, D. ....	Exeter.	Steele, F. C. ....	Orillia.
McCarter, J. M. ....	Almonte.	Sutherland, J. A. ....	Toronto.
McCraig, A. S. ....	Collingwood.	Tait, N. J. ....	St. Thomas.
McKee, C. S. ....	Peterboro.	Thomson, C. G. ....	Hiawatha.
McKenzie, D. C. ....	Durham.	Thorne, J. S. ....	Belleville.
Nichol, W. H. ....	Brantford.	Weaver, W. J. ....	Toronto.
Partridge, A. W. ....	Crown Hill.	Westman, S. H. ....	Toronto.
Price, N. W. ....	Newburgh.	White, E. B. ....	Chatham.

## Occasional Students.

Adams, W. F. ....	Toronto.	McClure, R. C. ....	Brampton.
Baxter, F. H. A. ....	London.	MacCoun, G. A. ....	Campbellford.
Bean, C. E. ....	Bright.	MacDonald, W. A. B. ....	Fergus.
Brereton, E. L. ....	Stromberg.	McGahey, R. J. ....	Hallville.
Buchanan, F. ....	Galt.	McGill, W. ....	Dixon.
Buchanan, W. ....	Galt.	McLachlan, A. R. ....	Rothsay.
Bulmer, W. H. ....	Berlin.	MacLean, A. H. ....	Orillia.
Cashman, L. ....	Toronto.	MacLean, W. C. ....	St. Mary's.
Clarke, M. J. ....	Belleville.	Paton, J. R. ....	Dutton.
Croll, H. A. ....	Chatham.	Pugh, G. A. ....	Milverton.
Currie, C. W. ....	Strathburn.	Pulkingham, J. ....	Flora.
Dean, T. ....	Sandhill.	Revell, R. L. ....	Woodstock.
Forsyth, M. F. ....	St. Thomas.	Reynolds, S. P. ....	London.
Gilmore, F. G. ....	Woodstock.	Richardson, G. S. ....	Newmarket.
Graham, W. H. ....	Mosgrove.	Sherman, C. P. ....	Kingston.
Henderson, C. K. ....	Guelph.	Sihler, A. T. ....	Simcoe.
Henderson, R. H. ....	Toronto.	Silk, H. E. ....	London.
Hill, W. J. ....	Richmond.	Sills, N. J. ....	Napanee.
Hoag, G. W. ....	Aylmer.	Smith, P. St. C. ....	Simcoe.
Hume, G. G. ....	Galt.	Staples, W. D. ....	Mount Forest.
Jordaan, G. G. ....	Toronto.	Steele, J. ....	Brampton.
Kennedy, G. T. ....	St. Thomas.	Sutton, J. L. ....	Lindsay.
Kennedy, H. J. ....	Ailsa Craig.	Sweet, J. C. ....	Hamilton.
Kinsman, A. R. ....	Exeter.	Taylor, W. F. ....	Barrie.
Knight, W. D. ....	Deseronto.	Trotter, W. C. ....	Toronto.
Lambertus, J. A. ....	Walkerton.	Watson, A. H. R. ....	Port Hope.
Little, A. E. ....	Owen Sound.	Williams, W. J. ....	St. Thomas.
Milne, S. N. ....	Brown's Corners.	Wright, M. W. ....	Tweed.

Numer of students in the First Year .....	64
Numer of students in the Second Year .....	71
Numer of students in the Third Year .....	46
Numer of students in the Fourth Year .....	56
Occasional students .....	56

Total ..... 293

Barber, T.  
Berwick,  
Bertram,  
Carter, W.  
Collins, C.  
Darling, J.  
Fisher, A.  
Gordon,  
Grant, W.  
Gzowski,  
Kormann,  
Lamb, C.  
Mackintosh

Boyd, W.  
Boyd, V.  
Bray, L.  
Chaplin, C.  
Dawson, I.  
Fitzgibbon,  
Henderson

Alexander  
Andrews,  
Bain, J. J.  
Bow, J. A.  
Carpenter  
Charlton,  
Gray, A.  
Hicks, W.  
King, C. J.  
Morrison,  
Parker, W.

Bain, J. V.  
Burwash,  
Campbell,  
De Cew, J.  
Elliott, H.  
Fowler, C.  
Gurney, V.  
Haight, H.

## G. Students of the School of Practical Science.

## First Year.

## REGULAR STUDENTS.

Barber, T. ....	Meaford.	McMichael, C. ....	Toronto.
Berwick, J. R. ....	Shelburn.	McNaughton, F. D. ....	Cornwall.
Bertram, R. M. ....	Toronto.	Morphy, E. J. ....	Toronto.
Carter, W. E. ....	Toronto.	Roper, W. P. ....	Peterboro'.
Collins, C. D. ....	Peterboro'.	Shaw, J. H. ....	Beachburg.
Darling, E. H. ....	Simcoe.	Smallpiece, F. C. ....	Toronto.
Fisher, A. M. ....	Stratford.	Smith, R. ....	New Hamburg.
Gordon, B. ....	Strathroy.	Stovel, H. R. ....	Toronto.
Grant, W. F. ....	Toronto.	Tye, C. H. ....	Haysville.
Gzowski, C. S. ....	Toronto.	Williamson, D. A. ....	Jarvis.
Kormann, J. S. ....	Toronto.	Wilkinson, T. A. ....	Copetown.
Lamb, C. M. ....	Toronto.	Willson, R. D. ....	Toronto.
Mackintosh, D. ....	Halifax.		

## SPECIAL STUDENTS TAKING FULL COURSES.

Boyd, W. H. ....	Toronto.	Lea, E. P. ....	Toronto.
Boyd, V. ....	Toronto.	Little, F. ....	Waterford.
Bray, L. T. ....	Amherstburg.	Mackenzie, G. C. ....	Brantford.
Chaplin, G. W. ....	St. Catharines.	Perry, F. N. ....	Toronto.
Dawson, R. ....	Toronto.	Piper, A. G. ....	Toronto.
Fitzgibbons, R. G. ....	Toronto.	Sheldon, S. ....	Galt.
Henderson, D. R. ....	Ottawa.	Shipley, A. E. ....	Cheltenham.

## Second Year.

## REGULAR STUDENTS.

Alexander, F. H. ....	Stratford.	Proudfoot, H. W. ....	Toronto.
Andrews, E. ....	Grimsby.	Richards, E. ....	Ancaster.
Bain, J. A. ....	Woodstock.	Robinson, A. H. ....	Peterboro'.
Bow, J. A. ....	Orillia.	Scott, W. F. ....	Dunnville.
Carpenter, H. S. ....	Collingwood.	Smillie, R. ....	Kippen.
Charlton, H. W. ....	Hanover.	Stacey, G. E. ....	Toronto.
Gray, A. T. ....	Toronto.	Stull, W. W. ....	Georgetown.
Hicks, W. A. B. ....	London.	Vercoe, H. L. ....	Toronto.
King, C. F. ....	Toronto.	Weekes, M. ....	Brantford.
Morrison, H. ....	Winthrop.	Weldon, E. A. ....	Lorne Station.
Parker, W. G. ....	Buffalo, N. Y.		

## Third Year

## REGULAR STUDENTS.

Bain, J. W. ....	Toronto.	Laing, W. F. ....	Nassagaweya.
Burwash, L. T. ....	Toronto.	Lawrie, R. R. ....	Bowmanville.
Campbell, G. M. ....	Galt.	Macbeth, C. ....	London.
De Cew, J. A. ....	Essex.	MacMurchy, J. A. ....	Hillsburg.
Elliot, H. P. ....	London.	Martin, T. ....	Wexford.
Fowler, C. P. ....	St. Catharines.	Shipe, R. R. ....	Toronto.
Gurney, W. C. ....	Toronto.	Curzon, Miss E. M. ....	Toronto.
Haight, H. V. ....	Sparta.		

... Chatham.  
 St. Catharines.  
 ... Sarnia.  
 ... Lynedoch.  
 ... Toronto.  
 ... Chatham.  
 ... Brucefield.  
 ... Regina.  
 ... Delhi.  
 ... Toronto.  
 ... Ridgetown.  
 ... Toronto.  
 ... Orillia.  
 ... Toronto.  
 ... St. Thomas.  
 ... Hiawatha.  
 ... Belleville.  
 ... Toronto.  
 ... Toronto.  
 ... Chatham.

... Brampton.  
 Campbellford.  
 ... Fergus.  
 ... Hallville.  
 ... Dixon.  
 ... Rothsay.  
 ... Orillia.  
 ... St. Mary's.  
 ... Dutton.  
 ... Milverton.  
 ... Elora.  
 ... Woodstock.  
 ... London.  
 ... Newmarket.  
 ... Kingston.  
 ... Simcoe.  
 ... London.  
 ... Napanee.  
 ... Simcoe.  
 Mount Forest.  
 ... Brampton.  
 ... Lindsay.  
 ... Hamilton.  
 ... Barrie.  
 ... Toronto.  
 ... Port Hope.  
 ... St. Thomas.  
 ... Tweed.  
 ... 64  
 ... 71  
 ... 46  
 ... 56  
 ... 56

## Fourth Year.

## REGULAR STUDENTS.

Armstrong, J. ....	Wexford.	Macallum, A. F. ....	Toronto.
Boswell, E. J. ....	Peterboro'.	McKinnon, H. L. ....	Hillsburg.
Brodie, W. M. ....	Guelph.	Mines, W. ....	Mount Brydges.
Dobie, J. S. ....	Thessalon.	Robinson, F. J. ....	Middlemarch.
Hull, H. S. ....	Caledonia.	Tremaine, R. C. C. ....	Toronto.
McGowan, J., B.A. ....	Ravenna.		

## SPECIAL STUDENTS TAKING PARTIAL COURSES.

Fitzgerald, G. G. ....	Toronto.	Sanderson, A. ....	Toronto.
Gray, J. M. ....	Port Credit.	Sifton, E. I. ....	London.
Johnson, G. ....	Castleford.	Staunton, W. J. ....	Taunton.
Kingsford, G. E. ....	Toronto.	Troup, W. J. ....	Buffalo, N. Y.
Kitely, H. ....	Toronto.	Tye, A. T. ....	Chatham.
McMillan, A. N. ....	Oshawa.	Webster, E. B. ....	Toronto.
Mollins, C. B. ....	Burgessville.	Wright, T. D. ....	Owen Sound.

## SUMMARY.

Number of Students in Arts .....	957
Number of Students in Medicine .....	293
Number of Students in Applied Science .....	100
Total Number of Students .....	1350

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## HISTORICAL SKETCH.

The movement which ended in the establishment of the University of Toronto as the centre of the educational system of the Province of Ontario originated with General Simcoe, the First Governor of Upper Canada, who repeatedly expressed his conviction, both before his departure from England and also during his term of office (1792-1796), that the best interests alike of the Government and of the inhabitants demanded the establishment of a University in Upper Canada. It was not, however, during his administration that the project assumed a definite form.

In 1797 the Legislative Council and House of Assembly in a joint address to King George III. asked "that his Majesty would be graciously pleased to direct his Government in the Province to appropriate a certain portion of the waste lands of the Crown as a fund for the establishment and support of a respectable Grammar School, in each district thereof; and also a College or University for the instruction of youth in the different branches of liberal knowledge." To this address a favorable answer was transmitted, and the acting Lieutenant-Governor, the Hon. Peter Russell, was directed to determine the manner and character of the appropriation. In accordance with this request the Executive Council of Upper Canada reported on the 1st December, 1798, that an appropriation of 500,000 acres would be sufficient for the support and maintenance of four Grammar Schools and a University. For the foundation of the latter nothing was done until 1827, when a Royal Charter was granted for the establishment at or near York, as Toronto was then called, of a College "with the style and privilege of a University," to be called "King's College," having for its endowment that portion of the grant of "waste lands" originally provided for the University in the report above referred to. These lands were in 1828 exchanged for 225,944 acres of Crown Reserves.

Owing not only to the character of the endowment, which required time for its realization in a form yielding an annual revenue, but also owing to the terms of the charter, which required all the members of the Faculties to be adherents of one particular religious denomination, the opening of the College was delayed for fourteen years. In consequence of public representations on the sectarian character of the College, all religious tests were abolished by an amended charter which passed the two Houses of the Provincial Legislature and received the Royal Assent in 1837. In 1842 the affairs of the University had assumed such a condition as to render its organization possible, and Faculties of Arts, Medicine, Law, and Divinity were established. In that year the erection of the College Building was begun on the eastern portion of the site of the present Legislative Buildings. In 1843 the first matriculation of students took place, and inaugural addresses and lectures were delivered on the 8th and 9th June of that year.

..... Toronto.  
 ..... Hillsburg.  
 Mount Brydges.  
 Middlemarch.  
 ..... Toronto.

SES.

..... Toronto.  
 ..... London.  
 ..... Taunton.  
 Buffalo, N. Y.  
 ..... Chatham.  
 ..... Toronto.  
 Owen Sound.

..... 957  
 ..... 293  
 ..... 100  
 ..... 1350

The agitation which resulted in the amended charter of 1837 had continued after the opening of the College in 1842, owing to efforts made to defeat the purpose of the amendment, and in 1849 an Act of the Legislature effected important modifications in the constitution of King's College whereby all instruction in Divinity was discontinued, and a larger measure of public control of the affairs of the University instituted, through the formation of a Senate, of which a number of the members were appointed by the Crown. The name was now changed from that of the University of King's College to that of "The University of Toronto."

Three years afterwards the University underwent a further transformation, by which the Act of 1853 abolished its Faculties of Medicine and Law, and divided its functions between the two newly organized corporations of the "University of Toronto" and "University College." To the Senate were assigned the duties of framing the curriculum, holding examinations and admitting to degrees in Arts, Law and Medicine, while to the President and Professors of University College, as a distinct and independent corporation with special powers, were assigned the teaching in Arts and the entire discipline and control of students. The models followed in the reorganization of the Universities, it was claimed, were the University of London and University College, London, both of which had then been only recently established. For thirty-four years, the University of Toronto and University College performed the functions respectively assigned to them by this Act.

During the early years of the University it experienced repeated changes in its local habitation. The faculty and students of King's College were at first temporarily accommodated in the Parliament Buildings until the erection of the east wing of King's College admitted of the occupation of their own building. From this they were anew transferred to the old Parliament Buildings in 1853, when, by a special Act, the site of King's College was appropriated for the proposed new buildings for the use of the Parliament of Upper and Lower Canada. On the return of the Legislature to Toronto, in 1856, the Faculty resumed the occupation of the old King's College Building, while one formerly in use by the Medical Faculty, situated on the site of the present Biological Building, was being adapted for their occupation. There accordingly the work of the College was carried on, pending the erection of the new University buildings. These buildings were begun in 1856, and on October 4th, 1858, the top stone of the main tower was placed in position by Sir Edmund Head, the Governor-General, an old Oxford professor, the value of whose sympathy and support at this critical period in the history of the University cannot be over-estimated.

For thirty-four years the constitution of the University of Toronto and of University College remained unchanged. Other collegiate bodies, principally denominational schools of theology, entered into affiliation with the University, and, with regard to their especial requirements, the course of study in Oriental Languages was augmented, but the Faculty of University College continued to do the work of instruction for nearly all the students in Arts who presented themselves for examination. The candidates for examinations and degrees in

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Medicine were trained in medical schools in affiliation with the University, and in the Faculty of Law the examinations were based upon text-books prescribed by the Senate, without teaching.

In 1887 both the University of Toronto and University College were remodelled by the University Federation Act. The main object of renewed legislation was to secure a more uniform standard of higher education by the union of the various denominational universities of Ontario with the Provincial University. Since the proclamation of the Act, Victoria University at Cobourg, representing the Methodist body, has entered into federation with the University of Toronto. The governing body of this institution is now represented on the Senate of the University of Toronto, its graduates elect representatives to the same body, and by the removal of the faculty and students of Victoria University to Toronto, where college buildings have been erected to the north of Queen's Park, the Union of the two universities has been effected. Under the Federation Act, the theological colleges also, formerly in affiliation with the University of Toronto, have become federated colleges, and enjoy increased representation on the Senate.

The Faculty of University College, by the Act of 1887, consists of professors and lecturers in Classical Languages and Literature (including lecturers in Ancient History), Oriental Languages, English, French, German, and Moral Philosophy. All other portions of the Arts course are assigned to the Faculty of the University of Toronto, of which the lectures are made equally available to the students of University College, and those of all federating universities and colleges. For the maintenance of certain of the departments of science on a scale demanded by modern methods of research, special provision has been made by the erection of new and the enlargement of old buildings. In the new Biological building every facility is now provided for practical training in Biology and Physiology. The new Chemical Building was completed in 1895, and affords similar facilities for practical work in Chemistry.

A Faculty of Medicine in the University of Toronto was established immediately upon the passing of the Act in 1887, and teaching is imparted in all branches of medical science. All the advantages of the Faculty of Arts are available for the students in Medicine, and the laboratories of the scientific departments are utilized equally by students in both faculties.

In 1888 a stimulus was given to the study of scientific methods of farming by the affiliation of the Ontario Agricultural College, and the adoption of a curriculum of study for the degree of Bachelor of the Science of Agriculture. Similarly an examination for the degree of Doctor of Dental Surgery was instituted, as a consequence of the affiliation of the Royal College of Dental Surgeons of Ontario. The College of Pharmacy was subsequently admitted to affiliation, and with the extension of the same privileges to the Toronto College of Music, a curriculum of study was prepared for the degree of Bachelor of Music. The School of Practical Science was affiliated in 1889, and graduates of the School are specially eligible on certain conditions for the degrees of Bachelor of Applied Science and of various degrees in Engineering in the University. By a recent enactment of the Senate a curriculum was prescribed leading to the degree of Bachelor and Doctor of Pedagogy.



On February 14th, 1890, the main University building was partly destroyed by fire. In the reconstruction thereby rendered necessary, opportunity was afforded for important improvements in lighting, heating, and ventilation. Considerable extension was effected in the numbers, capacity and equipment of the lecture-rooms and laboratories. A new library building was erected on plans embracing the most recent improvements suggested by the experience of leading Universities in the United States and elsewhere. A building for the accommodation of the Gymnasium was erected in 1892, and additions to it were completed in 1894 for the accommodation of student societies.

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## BENEFACTIONS AND DONATIONS.

## The Library Building.

D. W. Alexander	\$ 100 00	Robert Jaffray (a debenture)	\$ 1000 00
Dr. Barbootr	2422 22	John Keith	200 00
W. H. Beatty	1000 00	Kilgour Bros	500 00
Bell, Begg & Cowan	100 00	W. D. Matthews	1000 00
Caldecott, Burton & Co.	100 00	M. McConnell	100 00
Canadian Bank of Commerce	1000 00	McGaw & Winnett	250 00
Joseph Cawthra	500 00	William Mulock	5000 00
William Christie	5000 00	H. W. Nelson	100 00
Copp, Clark Co.	100 00	E. B. Osler	10000 00
George A. Cox	5000 00	Province of Quebec	10000 00
Miss Cumberland	3 00	John Pugsley	200 00
Davidson & Hay	1012 50	Elias Rogers	100 00
Rev. A. Dowsley	4 40	James Scott	500 00
The Goldsmiths' Company	241 67	Mrs. Emily Smart	500 00
Geo. Gooderham	10000 00	Dr. Andrew Smith	500 00
W. G. Gooderham	1000 00	Dr. Larratt W. Smith	500 00
W. B. Hamilton	250 00	Col. Sweny	500 00
H. C. Hammond	1000 00	Warwick & Sons	100 00
Dr. John Hoskin	1000 00	Wyld, Grasset & Darling	200 00

## Gymnasium Building.

Collected before 1880 (names not obtainable)	\$ 650 23	John Macdonald & Co.	\$ 10 00
Dr. H. W. Aikins	25 00	J. H. McCullough	2 00
Prof. E. J. Chapman	50 00	William Mulock	600 00
D. B. Dick	50 00	Dr. R. A. Pyne	10 00
J. T. Duncan	5 00	Dr. R. A. Reeve	100 00
Literary and Scientific Soc'y.	800 00	Dr. A. H. Wright	40 00
		Prof. R. Ramsay Wright	60 00

## Residence Extension Fund.

Dr. A. H. F. Barbour, Edin- burgh	\$484 44	Sir Daniel Wilson	\$200 00
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### Women's Residence Fund.

In 1893 an association of ladies was formed, with the object of obtaining funds for the erection of a Residence for women students in connection with University College. A beginning has been made in the work of securing subscriptions. The following is the list of subscribers to this fund up to 1st June, 1895:—

D. W. Alexander.....	\$ 25 00	E. C. Jeffrey.....	\$ 25 00
Alfred Baker.....	100 00	Laura L. Jones.....	40 00
Eliza M. Balmer.....	50 00	Gertrude Lawler.....	50 00
Robert Bahmer.....	50 00	President Loudon.....	150 00
Hon. Edward Blake.....	500 00	Mrs. Loudon.....	50 00
Mrs. Edward Blake.....	500 00	The Misses MacMurchy.....	25 00
Hon. S. H. Blake.....	600 00	J. Mavor.....	100 00
Mrs. A. F. Campbell.....	1 00	Moss, Hoyles & Aylesworth.....	50 00
Through Miss J. W. Carter, Elora.....	30 00	Sheriff Mowat.....	25 00
The Misses Cartwright.....	50 00	G. H. Needler.....	25 00
W. Dale.....	100 00	Mrs. Reeve.....	20 00
A. T. DeLury.....	50 00	Rowell & Hutchison.....	200 00
Gertrude Eastwood.....	25 00	Nellie Spence.....	25 00
W. H. Fraser.....	100 00	J. Squair.....	100 00
Freer and Patterson.....	100 00	Third Year Women Students.....	30 00
A Friend.....	5 00	Emily Thompson.....	25 00
A Friend.....	5 00	R. & T. Watson.....	100 00
Helene J. Gervais.....	1 00	Rev. G. M. Wrong.....	50 00
Mrs. Elmyra T. Hamilton.....	100 00	Miss L. L. Ryckman.....	50 00
W. B. Hamilton.....	100 00	Ladies' Association, Ottawa.....	60 00
J. G. Hume.....	100 00	Ladies' Association, Toronto (proceeds of Concert).....	70 00

### Physical Laboratory.

The following contributions were made in the years 1885-86 to aid in completing the equipment of the Physical Laboratory:—

Prof. Alfred Baker.....	\$ 50 00	Hon. William McMaster.....	\$ 50 00
J. H. Balderson.....	15 00	J. McMillan.....	5 00
George Baptie.....	5 00	F. F. Manly.....	10 00
A. K. Blackadar.....	20 00	Alfred H. Marsh.....	20 00
H. S. Brennan.....	10 00	Charles Moss.....	50 00
Mrs. Alexander Cameron.....	1000 00	Sir Oliver Mowat.....	50 00
T. D. Delamere.....	20 00	William Mulock.....	200 00
Prof. Galbraith.....	50 00	Dr. W. Oldright.....	10 00
J. C. Glashan.....	30 00	Dr. R. A. Reeve.....	15 00
William Gooderham.....	50 00	E. H. Rutherford.....	50 00
F. Hayter.....	25 00	William Scott.....	10 00
W. D. LeSeuer.....	10 00	McL. Stewart.....	50 00
Hon. John Macdonald.....	50 00	Sir Daniel Wilson.....	50 00
Dr. N. MacNish.....	25 00	Frederick Wyld.....	100 00
J. L. McDougall.....	50 00	Prof. G. P. Young.....	50 00
Dr. L. McFarlane.....	10 00		

This Laboratory has also received from the Hon. R. H. Meade, C.B., Colonial Office, London, England, the gift of a large Binocular Microscope with accessories.

## Pathological Laboratory.

A subscription list was opened in February, 1890, for the purpose of raising a fund for the equipment of the Pathological Laboratory. The whole sum paid to the Bursar and expended for this purpose was \$1,206.92, after the deduction of \$1.58 for incidental expenses of collection. The following is the list of subscribers:—

M. H. Aikins .....	\$ 40 00	Mr. Goldie, Galt .....	\$250 00
W. T. Aikins .....	250 00	J. E. Graham .....	60 00
O. R. Avison .....	13 00	S. M. Hay .....	5 00
L. F. Barker .....	5 00	J. H. Hudson .....	5 00
Price Brown .....	10 00	W. H. Johnson .....	10 00
J. H. Burns .....	5 00	A. Lady .....	5 00
Dr. Burt, Paris .....	10 00	James Leslie .....	10 00
I. H. Cameron .....	30 00	L. McFarlane .....	120 00
F. W. Cane .....	8 00	B. E. McKenzie .....	10 00
J. Caven .....	10 00	A. McPhedran .....	34 00
W. P. Caven .....	5 00	W. Oldright .....	3 00
G. S. Cleland .....	10 00	G. A. Peters .....	10 00
T. S. Cullen .....	5 00	R. A. Reeve .....	150 00
J. T. Duncan .....	34 00	B. L. Riordan .....	5 00
A. T. Ellis .....	2 00	R. Rowan .....	10 00
J. Ferguson .....	30 00	H. C. Scadding .....	3 50
T. A. Ferguson .....	5 00	W. J. Wagner .....	5 00
G. Féré .....	5 00	M. Wallace .....	8 00
C. M. Foster .....	8 00	A. H. Wright .....	20 00

## Scholarship Funds

Bankers of Toronto, viz., The Canadian Bank of Commerce, the Dominion, Imperial, Standard, and Traders' Banks, and the Union Bank of Lower Canada (Political Science)....	\$1200 00	Mary Mulock (Matriculation Classics).....	2000 00
Dr. A. H. F. Barbour, of Edinburgh (The George Brown Scholarship in Medical Science).....	5055 58	William Mulock (Classics, Mathematics).....	2000 00
Hon. Edward Blake (Matriculation Scholarships)....	15000 00	His Royal Highness the Prince of Wales (Matriculation) .....	900 00
Hon. Edward Blake (Mathematics, Physics and Science) .....	3750 00	William Ramsay, of Bowlands, Scotland (Political Economy).....	1009 42
George Brown Scholarship, by Friends of the late Hon. Geo. Brown (Modern Languages) .....	1054 82	Julius Rossin, of Hamburg, Germany (Modern Languages) .....	1000 00
A. T. Fulton (Mathematics, Physics and Science) ....	3000 00	T. B. P. Stewart .....	961 32
Hon. John Macdonald (Philosophy) .....	1950 00	Toronto Committee of the American Association for the advancement of Science (Mathematics, Physics and Science) .....	2350 00
Friends of the late Hon. Alexander Mackenzie (Political Science) .....	16425 00	Daniel Wilson Scholarship, by a friend of the late Sir Daniel Wilson (Chemistry and Mineralogy and Natural Science).....	2000 00
Moss Scholarship, by friends of the late Hon. Chief Justice Moss (Classics) .....	\$2000 00	The Young Memorial Fund, by friends of the late Professor George Paxton Young .....	3018 74

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## Library Restoration Fund.

After the destruction of the University Library in 1890, a sum amounting to upwards of \$40,000 was subscribed by individuals and organizations to aid in replacing the loss. Up to 1st May, 1896, the following amounts had been paid into this fund :—

Acheson, Dr. George, Toronto, \$10; Adam, G. M., \$5; Aikenhead & Crombie, Toronto, \$25; Aikins, Dr. H. Wilberforce, Toronto, \$100; Aikins, B. M., Toronto, \$10; Alexander, A., \$5; Alexander, Prof. W. J., Toronto, \$250; Allan, A. A., Toronto, \$100; Allan, H. & H. A., Montreal, \$200; Angus, R. B., \$100; Annis, J. W., St. Thomas, \$10; Anonymous, \$20; Ashley, Prof. W. J., Toronto, \$100; Austin, B. F., St. Thomas, \$4; Baker, Prof. Alfred, Toronto, \$150; Bain, James, Jr., Toronto, \$25; Baldwin, Rev. J. Macqueen, Japan, \$150; Baldwin, Prof. J. Mark, Princeton, N.J., \$100; Baldwin, Robt., Toronto, \$100; Baldwin, R. Russell, Toronto, \$100; Baldwin, Dr. W. W., Toronto, \$100; Ballard, W. H., Hamilton, \$100; Balmer, Miss E. M., Toronto, \$25; Banks, G. W., Toronto, \$25; Barber & Ellis Co., Toronto, \$100; Barrie Collegiate Institute, \$100; Bascom, Dr. Joseph, Uxbridge, \$25; Beardmore & Co., Toronto, \$300; Beck, H. T., Toronto, \$60; Bell, Prof. A. J., Toronto, \$100; Bell Telephone Co., Montreal, \$100; Bell, W. N., Strathroy, \$5; Bertram, John, Toronto, \$50; Bettridge, Dr. Wm., Strathroy, \$10; Bigelow, N. Gordon, Toronto, \$100; Biggar, C. R. W., Toronto, \$450; Bilton Bros., Toronto, \$25; Blackstock, G. T., Toronto, \$50; Blackstock, Mrs. G. T. Toronto, \$200; Blackstock, Joseph, Toronto, \$25; Blaikie, J. L., Toronto, \$100; Blake, Lash & Cassels, Toronto, \$1,000; Blue, A., Toronto, \$20; Bonis, H., Toronto, \$10; Boulton, C. R., Toronto, \$40; Boyd, Hon. Chancellor, Toronto, \$250; Boys, Judge, Barrie, \$25; Bradley, W. J., Sault Ste. Marie, \$100; Brebner, James, Toronto, \$25; Bremner, W. C. P., Meaford, \$5; H. S. Brennan, Hamilton, \$25; Brierley, J. S., St. Thomas, \$10; Brown Bros., Toronto, \$250; Brown, J. Gordon, Toronto, \$25; Brown, J. G., \$5; Buchan, Dr. H. E., Toronto, \$100; Buckham, G., New York, \$25; Bull, B. E., Toronto, \$100; Burns, John, \$50; Burritt, W. E., Toronto, \$25; Burrows, J. C., Toronto, \$50; Burt, Dr. F., Norwalk, Ohio, \$10; Burton, G. F., Toronto, \$60; Cameron, E. R., London, \$40; Cameron, Prof. J. C., \$5; Cameron, L. H., \$100; Campbell, Mrs. A. F., Toronto, \$80; Campbell, A. H., Jr., Toronto, \$250; Campbell, Rev. Prof. John, Montreal, \$100; Caniff, H. T., Toronto, \$25; Carpmal, Charles, Toronto, \$150; Carrick, Andrew, \$5; Carruthers, A., Toronto, \$30; Carscadden, T., Galt, \$30; Carveth, Dr. Geo. H., Toronto, \$17; Chase, G. A., Toronto, \$50; Cassels, R. S., Toronto, \$100; Catto & Co., John, Toronto, \$250; Caven, Rev. Principal, Toronto, \$100; Celbaston, —, \$2; Chamberlain, A. F. Worcester, U. S., \$13; Chapman, Prof. E. J., Toronto, \$150; Charles, Miss Henrietta, Goderich, \$25; Chewett, Dr. W. C., Toronto, \$100; Chisholm, James, Hamilton, \$50; Chisholm, W. C., Toronto, \$100; Clarkson, E. R. C., Toronto, \$100; Clayton, Miss A. H. R., Ridgetown, \$20; Cluthe, Chas., Toronto, \$25; Coatsworth, Emerson, Toronto, \$80; Cockshutt, C. & Co., \$100; Cody, Rev. H. J., Toronto, \$10; Collier, H. H., St. Catharines, \$30;

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Cook, W., Toronto, \$100; Cosby, A. M., Toronto, \$100; Courtice, Rev. A. C., Port Perry, \$15; Coyne, J. H., St. Thomas, \$100; Craig, J. A., Madison, Wis., \$15; Craig, Rev. John, \$5; Craik, Rev. Prof., \$25; Crawford, J., \$20; Crawford, J. T., Hamilton, \$10; Crawford, W. G., Toronto, \$10; Creelman, A. R., Toronto, \$100; Creelman, Geo. C., \$10; Crombie, Marcellus, Toronto, \$150; Cronyn & Betts, London, \$150; Crooks, A. D., Toronto, \$30; Cumberland, Miss F., Toronto, \$2; Cumberland, Wilmot, Toronto, \$5; Curzon, Miss E. M., Toronto, \$25; Cuthbert, James, Ingersoll, \$100; Dale, Prof. William, Toronto, \$60; Davidson, Dr. J. L., Toronto, \$50; Davis, E. P., Calgary, N.W.T., \$80; Dayfoot, P. K., Strathroy, \$10; Deguerre, A., Strathroy, \$25; Delamere, T. D., Toronto, \$200; Dick, D. B., Toronto, \$500; Dickson, George, Toronto, \$50; Dickson, J. E., Newmarket, \$10; Donald, R. C., Toronto, \$28; Douglas, W. A., Toronto, \$20; Drake, F. A., Toronto, \$10; Duff, John A., Clover Hill, \$25; Duggan, E. H., Toronto, \$40; Dunn, H. L., Toronto, \$20; Dwight, H. P., Toronto, \$100; Eakins, W. G., Toronto, \$100; Eastman, Rev. S. H., Oshawa, \$25; Eastwood, Miss I. G., Whithy, \$10; Ely, Blain & Co., Toronto, \$100; Eccles, F. R., \$100; Edwards, E. B., Peterboro', \$100; Elliott, T. E., \$25; Ellis, Dr. W. H., Toronto, \$250; Embree, L. E., Toronto, \$75; Ewen, T. E., Belleville, \$10; Fair, Miss Caroline, Toronto, \$25; Fairclough, Prof. H. R., Palcoalto, Cal., \$50; Falconbridge, Hon. Mr. Justice, Toronto, \$150; Fee, John, Guelph, \$10; Ferguson, W. C., London, \$20; Field, Dr. Byron, Toronto, \$20; Field, G. W., Guelph, \$50; Fife, J. A., Peterboro', \$5; Fiskens, J. Kerr, Toronto, \$200; Fitzgibbon, J. G., \$1; Fletcher, B., \$10; Forbes, Robert, \$50; Fotheringham, Dr. J. T., Toronto, \$25; Fraser, Colin, Toronto, \$25; Fraser, Prof. G. A. H., Colorado Springs, Colorado, \$50; Fraser, Prof. W. H., Toronto, \$100; French, F. W., \$5; Freysing, P., Toronto, \$10; "Friend," Legislative Assembly, Toronto, \$1; Friend, \$2; Galbraith, D. E., St. Thomas, \$4; Galbraith, Prof. J., Toronto, \$150; Galbraith, —, \$4.87; Galt, A. C., Toronto, \$50; Gardiner, Miss E., Belleville, \$25; Garvin, J. W., Woodstock, \$25; Gibbard, Alex. H., Brantford, \$100; Gibson, G., Toronto, \$20; Gibson, Hon. J. M., Hamilton, \$150; Gibson, Rev. J. M., \$24.33; Gill, James, Toronto, \$25; Glass, C. T., London, \$10; Globe Correspondent, \$1; Goldie, John, \$25; Gourlay, R., Oshawa, \$50; Grant, Wilbur, Toronto, \$50; Gray, R. A., London, \$25; Green, Mrs., Toronto, \$5; Greer, George M., Halifax, \$40; Gregg, Mrs. J., \$5; Gregory, E. Arnold, \$5; Greig, Major George, Toronto, \$100; Grier, Miss R. J. E., Toronto, \$100; Grierson, J. F., Oshawa, \$50; Günther, Ernest, Toronto, \$10; Gwynne, W. D., Toronto, \$75; Hague, Rev. Dyson, Halifax, \$5; Hamilton, Rev. H. J., Japan, \$100; Hanna, Rev. W. G., \$15; Harcourt, George, Charlottetown, \$10; Hare, Rev. J. J., Whithy, \$20; Harris, Rev. Dean, \$5; Harvey, Horace, Toronto, \$20; Hatton, J. Cassie, Montreal, \$25; Heintzmann, T. A., Toronto, \$25; Hemingway, —, \$10.21; Hill, Rev. Arundel C., St. Thomas, \$100; Hill, Miss Davenport, London, \$24.30; Hill, E. L., Woodstock, \$50; Hillock, Miss J. S., Toronto, \$10; Hodgson, J. E., Toronto, \$10; Hogarth, E. S., Hamilton, \$10; Hoig, Dr., Oshawa, \$5; Holmes, G. W., Toronto, \$80; Hope, R. A., \$5; Horton, Albert, Toronto, \$25; Hoskin, Dr. John, Toronto, \$100; Howland, O. A., Toronto, \$150; Hubbard, J. P.,

Toronto, \$20; Hunt, E. Lawrence, Guelph, \$20; Hunter, A. F., Barrie, \$25; Hunter, D. H., Woodstock, \$25; Hunter, J. M., Barrie, \$10; Huston, W. H., Woodstock, \$20; Hutton, Prof. Maurice, Toronto, \$150; James, C. C., Guelph, \$10; James, S. H., Toronto, \$500; Jarvis, Miss Julia, \$5; Jeffrey, E. C., Toronto, \$100; Jeffries, J., Peterboro', \$15; Johnson, George, Ottawa, \$100; Johnson, R. I., Toronto, \$25; Jones, Miss L. L., Toronto, \$25; Kay, John, Son & Co., Toronto, \$500; Kennedy, Dr. George, Toronto, \$100; Kent, H., Toronto, \$10; Kerr, Rev. F. W., Toronto, \$5; Kerr, J. R., \$5; Kerr, McDonald, Davidson & Patterson, Toronto, \$300; Kew, M., \$100; King, C., Toronto, \$10; King, Joseph J., \$9.68; Kingstoh, F. W., \$50; Knees, Chas., Toronto, \$25; Knox, William, \$10; Kormann, I., Toronto, \$10; Lady, per T. D. Delanere, \$10; Lampport, W. A., Toronto, \$10; Langton, H. H., Toronto, \$250; Langton, T., Toronto, \$100; Larkin, P., St. Catharines, \$50; Lawrence, A. G. F., Toronto, \$15; Lee, Lyman, Hamilton, \$50; Lee, Walter S., Toronto, \$100; Lennox, T. H., Woodstock, \$25; Little, J. G., \$50; Little, R. A., Loudon, \$25; Long, J. H., Camden, N.Y., \$50; Long, —, \$4.87; Loudon, Prof. J., Toronto, \$150; Lount, Samuel, Barrie, \$25; Lyman Bros. & Co., Toronto, \$50; McAndrew, J. A., Toronto, \$40; Macbeth, T., Toronto, \$20; McCabe, Wm., Toronto, \$200; McCaul, C. C., Lethbridge, N.W.T., \$20; McClive, W. H., St. Catharines, \$40; McCurdy, Prof. J. F., Toronto, \$40; Macdonald, A. A., Toronto, \$5; Macdonald, W., \$2; Macdonnell, Rev. D. J., Toronto, \$100; McEachren, Prof. D., \$25; McEachren, M., \$1; McEachren, Neil, Toronto, \$10; McEachren, P., \$10; McFarlane, Dr. L., Toronto, \$100; McGeary, J. H., St. Thomas, \$40; McGowan, J., Toronto, \$40; McGuire, W. J. & Co., Toronto, \$100; McHarrie, R. C., Toronto, \$10; McKay, A. L., \$30; McKay, Rev. W. A., Woodstock, \$5; McKendrick, J. N., \$25; McKenzie, J. J., \$10; McKenzie, Dr. T., Toronto, \$50; McKeown, John, St. Catharines, \$50; Mackinnon, Dr. A., Guelph, \$100; McLaren, Rev. Prof., Toronto, \$25; McLarty, Dr. D., St. Thomas, \$10; McMaster & Co., Toronto, \$500; MacMurchy, Archibald, Toronto, \$20; MacMurchy, Miss Helen, Toronto, \$15; McPherson, R. U., Toronto, \$40; MacRae, N., Toronto, \$5; Manley, F. F., Toronto, \$20; Marsh, A. H., Toronto, \$200; Martland, John, Toronto, \$25; Mason, J. Herbert, Toronto, \$100; Matchett, R. J., Lindsay, \$5; Meredith, W. R., Toronto, \$100; Merritt, W. H., Toronto, \$15; Meyer, H. W. C., Wingham, \$20; Michie, George S., Toronto, \$50; Mickle, H. W., Toronto, \$20; Milden, A. W., Barrie, \$25; Millar, J., \$50; Miller, W. N., Toronto, \$40; Mills, James, Guelph, \$50; Mills, Prof. Wesley, Montreal, \$5; Milner, W. S., Toronto, \$100; Mitchell, Rev. A. E., Almonte, \$10; Molyneaux, G., \$10.22; Montgomery, J. D., Toronto, \$50; Montreal Gazette, Montreal, \$20; Moore, W. H., Peterboro', \$50; Morgan, H. A., Baton Rouge, La., \$10; Morgan, J. C., Barrie, \$5; Mortimer, Edward, Toronto, \$20; Morton, Dr. E. D., Barrie, \$25; Moss, Hoyles & Aylesworth, and Moss, Barwick and Franks, Toronto, \$400; Mowat, Mr. Sheriff, Toronto, \$300; Mulvey, Thomas, Toronto, \$20; Murray, W. A. & Co., Toronto, \$500; Nerlich, H., Toronto, \$25; Northrop & Lyman, Toronto, \$1,000; O'Brien, A. H., Toronto, \$50; O'Flynn, F. E., Belleville, \$100; Oldright, Dr. Wm., Toronto, \$100; Osler, B. B., Toronto,

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legiate Institute, \$130; Parland, W. A., \$20; Paterson, B. Eaton, Sackville,  
N.B., \$10; Perth Literary Institute, \$15; Peters, Dr. George A., Toronto,  
\$25; Philip, James H., Barrie, \$5; Pike, Prof. W. H., Toronto, \$258.33;  
Platt, Miss C., \$5; Ponton, W. N., Belleville, \$25; Panton, J. Hoyes, Guelph,  
\$50; Panton, Prof. J. H., proceeds of lecture, \$40.25; Pope, Hon. C. H., To-  
ronto, proceeds of lecture on Shakespeare, \$123.50; Proudfoot, W. A., Lon-  
don, \$10; Queneau, Maurice, Toronto, \$2; Radenhurst, G. A., Barrie, \$25;  
Raines, F. N., Uxbridge, \$10; Rathbun, E. W., Deseronto, \$100; Raynor, T.,  
Rose Hall, \$5; Redpath, Peter, \$97.22; Reesor, H. A., Toronto, \$60; Reeve,  
Dr. R. A., Toronto, \$100; Reid, Rev. H. E. A., Toronto, \$10; Reynolds, A.,  
Strathroy, \$5; Richardson, George H., Chatham, \$50; Riddell, G. I., Park-  
dale, \$12.50; Rivington, Messrs., London, \$50; Robertson, Charles, Hamilton,  
\$20; Robertson, Dr. S. E., Newark, N.J., \$200; Robertson, W. J., St. Cath-  
arines, \$25; Robinson, Christopher, Toronto, \$100; Robinson, Samuel, Orillia,  
\$10; Robson, Miss Jessie H., Guelph, \$25; Rolph, Smith & Co., Toronto,  
\$25; Rosebrugh, —, \$4.87; Ross, R., Peterboro', \$5; Ross, Dr. W. A., \$5;  
Rowell & Hutchison, Toronto, \$250; Ryckman, Miss L. L., Toronto, \$25;  
Ryerson, C. E., Toronto, \$50; Rykert, E. G., St. Catharines, \$10; Sanderson,  
Pearcy & Co., \$5; Saunders, B., \$25; Scheuer, Ed., Toronto, \$10; Scott, J.  
J., \$100; Seath, John, Toronto, \$50; Seymour, Fred. E., Madoc, \$100; Shaw,  
N., Toronto, \$5; Shepherd, W. G., St. Thomas, \$10; Shortt, W. A., New  
York, \$50; Small, J. T., \$100; Smith, Sir Donald, Montreal, \$1,000; Smith,  
G. A., Toronto, \$30; Smith, George, Woodstock, \$25; Smith, J. E., Berkeley,  
\$80; Smith, L. H., Strathroy, \$10; Smoke, S. C., Toronto, \$100; Somers, F.,  
Toronto, \$25; Sparling, J. A., Strathroy, \$25; Spence, Miss Nellie, Toronto,  
\$30; Spencer, Dr. B., Toronto, \$50; Spotton, H. B., Toronto, \$25; Spotton,  
W. H. B., Toronto, \$10; Sproule, R. K., Toronto, \$100; Squair, Prof. J.,  
Toronto, \$200; Stamlng, T. W., Burford, \$5; Stayner, F., Sutherland, To-  
ronto, \$50; Steen, Rev. Frederick J., Berlin, \$10; Stevenson, A., Peterboro',  
\$40; Stevenson, A. Arthur, \$10; Stewart, James, \$5; Stewart, Louis B.,  
Toronto, \$50; Stewart, F. J., \$100; Stewart, Miss E. M., Aylmer, \$25;  
Strathroy Collegiate Institute, \$25; Stratton, A. W., Hamilton, \$25; Stuart,  
C. A., Toronto, \$3; Swan Bros., Toronto, \$10; Swanson, J. D., \$10; Sykes,  
Fred. H., Toronto, \$30; Tait, D. M., St. Thomas, \$10; Taylor Bros., Toronto,  
\$300; Taylor, J. & J., Toronto, one fire-proof safe; Thomas, Miss J., Toronto,  
\$20; Thomas, Miss L., Toronto, \$9; Thompson, A. Stewart, Strathroy, \$10;  
Thomson, C. E., Toronto, \$30; Thompson, R. A., Hamilton, \$50; Thompson,  
Thomas, & Son, Toronto, \$100; Thomson, Rev. Prof. R. Y., Toronto, \$60;  
Thorburn, Dr. J., \$100; Tobey, C. W., Collingwood, \$10; Toronto Collegiate  
Institute, Toronto, \$42; Tracy, F., Toronto, \$10; Tytler, W., Guelph, \$100;  
VanderSmussen, Prof. W. H., \$125; Veals, Miss, Toronto, \$5; Vogt, A. S.,  
Toronto, \$20; Wagner, W. J., Toronto, \$15; Walker, B. E., Toronto, \$1,000;  
Walker, W. H., Ottawa, \$25; Wallace, Rev. Prof., Toronto, \$100; Wallace,  
M. J., \$1; Wallace, Edward Wilson, Cobourg, \$3; Wallace, Rev. W. G., To-  
ronto, \$20; Warner, R. I., St. Thomas, \$10; Wedd, William, Toronto, \$10;



Weld, Dr. O., London, \$10; Wetherell, J. E., Strathroy, \$50; Wickett, W. L., St. Thomas, \$5; Wightman, John R., Grinnell, Ia., \$60; Wilkins, Dr. George, Montreal, \$5; Williams, Green, Rome & Co., Toronto, \$100; Willmott, Dr. J. B., Toronto, \$25; Wilson, Sir Daniel, Toronto, \$150; Wismer, J. A., Toronto, \$20; Witton, H. B., Sr., Hamilton, \$15; Wolverton, N., Woodstock, \$10; Wood, S. G., Toronto, \$50; Wood, Mrs., \$24.33; Wright, A. W., Galt, \$40; Wright, Dr. A. H., Toronto, \$40; Wright, George S., Belleville, \$50; Wright, Prof. R. Ramsay, Toronto, \$250; Wrightson, —, \$5; Young, A. H., Toronto, \$25; Young, Sir F., \$24.35; Zavitz, C. A., Guelph, \$10.

### Donations of Books.

Since the destruction of the University Library by fire in 1890, upwards of 30,000 volumes have been donated by various persons and organizations. For a complete list of these, see Appendix to Calendars of 1894 and 1895. The following donations have been received since June, 1895:—

Messrs. Thomas Baker & Co., London, England, 1 Vol.; Messrs. Balch & Co., Boston, 1 Vol.; Mr. George A. Chase, Toronto, 4 Vols.; Messrs. Copp, Clark Co., Toronto, 24 Vols.; Corporation of the City of London, England, 1 Vol.; Mr. Edward Dingle, Tavistock, England, 1 Vol.; Mr. Desmond Fitzgerald, Boston, 1 Vol.; Mrs. P. F. Fitzgerald, London, England, 2 Vols.; Mr. U. R. Gray, London, England, 1 Vol.; Government of Ceylon, 1 Vol.; Mr. Thomas Hodgins, Q.C., Toronto, 11 Vols. and pamphlets; Legislative Library of Ottawa, 1 Vol.; H. H. the Maharajah of Jeypore, 6 Vols.; Hon. Minister of Education, Ontario, 47 Vols. of Educational Reports; Ontario Educational Association, 16 Vols. of Proceedings; Dr. William Osler, Baltimore, 1 Vol.; Royal Society of London, England, 1 Vol.

### Museum.

A complete list of donations to the museum from 1890 to 1896 will be found in the Calendars of 1894 and 1895. The following additions have been made since June, 1895:—

#### Donations.

Mr. and Mrs. William Boulbee, Toronto..... Collection of 108 Skins of Birds from the Malabar Coast; mounted specimen of Cobra di Cappello.

Dr. Dobie, Toronto..... Young specimen American Opossum.

R. L. Garner, Esq..... One adult Gorilla—skin and skeleton; two young specimens—skin and skeleton; one young Chimpanzee—skin and skeleton; one Gorilla Skull, adult; one skin Anomalurus.

Alderman Hallam, Toronto..... Specimens of Tanned Skin of Elephant, Walrus and Bison.

George Kerr, Esq., London, Ont..... Specimen of Tanned Skin of Rhinoceros.

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- Dr. A. C. Panton, Portland, Oregon . . . . . Two flat-head Indian Skulls; one White Mt. Apache Skull; several shells of *Spirula Peranii*, Gulf of Mexico.  
 Professor Parona, the University, Genoa . . . . . Portion of intestine of *Globiocephalus* with attached *Echinorhynchus*.  
 Dr. F. N. G. Starr, Toronto . . . . . Preparation of Sheep's Stomach.

*Purchases.*

A number of casts of Fossil Vertebrates from British Museum originals, and mounted specimens and skeletons of *Tatusia*, *Dasyapus*, *Manis*, *Tapirus*, *Hyrax*, *Phocæna*, *Phoca*, *Gymnura*, *Tupaya* and *Artibeus* have been added to the collection.

### Portraits and Works of Art.

The following portraits and works of art have been presented to the University:—

1. A portrait of the late Hon. William Hume Blake (oil painting by T. Hamel), presented by the Hon. Edward Blake.
2. A portrait of the Hon. Edward Blake, Chancellor of the University (oil painting by E. Wylie Grier), presented by graduates and friends.
3. A portrait of Prof. E. J. Chapman (oil painting by Miss Frances Sutherland), presented by the artist.
4. A portrait of the late Professor Henry Holmes Croft (oil painting by A. Dickson Patterson), presented by friends of Professor Croft.
5. A portrait of the late President Dr. McCaul (oil painting by A. Dickson Patterson), presented by the artist.
6. A portrait of the late Vice-Chancellor Moss (oil painting by Miss C. S. Berthon, copy of oil painting by M. Berthon), presented Charles Moss, Esq.
7. A portrait of the late Right Reverend Bishop Strachan (oil painting copy), presented by the Council of University College.
8. A portrait of the late President Sir Daniel Wilson (oil painting by A. Dickson Patterson), presented by friends of Sir Daniel Wilson.
9. A marble bust of the late Professor George Paxton Young (by Hamilton McCarthy), presented by friends of Professor Young.
10. A portrait of the late Professor George Paxton Young (oil painting by W. Allaire Shortt), presented by the artist.
11. The "Call to Duty" (oil painting by Paul Giovanni Wickson), presented to the Medical Faculty by the artist.
12. The "Marriage of the Duke of York" and "The King of Denmark's First Visit," commemorative medals, presented by the Town Clerk of London England.

## SATURDAY PUBLIC LECTURES.

The following lectures were delivered during the session of 1895-96 :—

<i>Subject.</i>	<i>Lecturer.</i>
"Oxford and English University Life".....	Dr. G. R. Parkyn.
"Hypnotism".....	Dr. F. Tracy.
"Ecclesiastical Architecture of Great Britain".....	Mr. C. H. C. Wright.
"Nerve Cells, Degeneration and Progress".....	Professor A. B. Macallum.
"George Eliot".....	Rev. Provost Welch.
"Electric Waves".....	Mr. C. A. Chant.
"Humour".....	Professor A. H. Reynar.
"Healthy and Unhealthy Occupations".....	Professor W. Oldright.
"Weather Predictions".....	Mr. Stupart.
"Venetian Painters".....	Miss Harriet Ford.

## UNIVERSITY EXTENSION.

The following statute, relating to University extension work, was passed by the Senate in April, 1894 :—

1. A standing committee of seven members of Senate shall be appointed annually for the purpose of carrying on "University Extension" work of a kind similar to that carried on under the same designation in connection with the Universities of Cambridge and Oxford.

2. The Committee shall have authority to appoint a secretary, define his duties, and fix his remuneration.

3. No part of the expense incurred for teaching and examining done at "local centres" of instruction, or for secretarial work done under the authority of the Committee, or for any other purpose connected with University extension, shall be a charge on the ordinary revenue of the University.

4. It shall be the duty of the Committee, subject to ratification by the Senate, to appoint teachers and examiners for approved or prescribed courses of study at local centres, and to grant certificates to such students as may have passed the final examination in each course, and complied with other conditions prescribed from time to time by the Committee.

5. It shall be the duty of the secretary to keep a registrar, in which shall be entered the name and address of each student who obtains a certificate, with a description of the course of study in which he has passed, and such other particulars as the Committee may from time to time order to be inserted.

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## UNIVERSITY COLLEGE RESIDENCE.

## General Regulations.

1. Resident students are under the immediate charge of the Dean.
2. Only matriculated students in Arts registered in University College, and members of the University or College Arts staff, are admitted as residents.
3. Each student upon entering is required to sign his name in the Dean's book to a declaration that he will conform to the statutes and regulations relative to resident students.
4. All interference with the personal liberty of any student by arresting him, or summoning him before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, or by disturbing him in the possession of his room, is forbidden by the Council.
5. All use of beer, wine or spirits in the students' rooms is strictly forbidden.
6. Resident students shall regularly attend morning and evening prayers, unless exempted from so doing in consequence of the objection of their parents or guardians.
7. A register shall be kept of the attendance of the residents at prayers, and also of the hours of passing the gate.
8. No stranger shall be admitted after the closing of the gate, nor remain in the building after 12 o'clock at night.
9. No student will be allowed to continue in Residence who is reported to the Council to be persistently neglecting his work.
10. The Dean is authorized to impose fines for infraction of regulations, and for insubordination or disorderly conduct.
11. The authority to dismiss from Residence is vested in the College Council.

## Rules.

1. The first morning bell shall be rung at 7.30 A.M.; second morning bell and prayers at 8.10 A.M.; breakfast from 8.15 to 9 A.M.; lunch at 1 P.M.; evening bell and prayers at 6.30 P.M.; dinner from 6.40 to 7.15 P.M.; gate closed at 10.40 P.M.
2. No student shall remain out after 12 o'clock at night, except by permission of the Dean.
3. Students may invite their friends to any meal, having informed the Steward, to whom they shall pay the charge fixed for such meal.
4. The officers of the College and non-resident students may purchase from the Steward tickets for meals.
5. The fee payable by resident students for board and rent of room varies from three and three-quarters to four dollars and a half per week.
6. All fees of resident students are to be paid monthly in advance.
7. Resident students shall regularly attend their respective places of worship on Sunday.

**Circular of Dean of Residence.**

*University College* .....

.....

As your son (or *ward*) proposes coming into Residence in this College, I beg to inform you that it is the desire of the Council that, where there are no conscientious objections, all the students under their charge should be present in the hall at daily morning and evening prayers, with reading of Scriptures. It is also their wish that they should regularly attend on Sundays their respective places of worship, and receive such other religious instruction as their parents or guardians may desire. I have to request that you will be so good as to let me know whether you desire your son (or *ward*) to attend such daily prayers in the College, and that you will also mention the Minister under whose charge you wish to place him.

The Council will afford every facility for the carrying out of your intentions, and with this view, will exercise such control over your son (or *ward*) during his residence, as may be best calculated to effect your wishes. In the event of your not informing me of your desire on the subject, the Council will assume that you have no objection to his being required to attend the daily prayers of the College, and will exercise an oversight as to his attendance on the ministrations of a clergyman of the denomination to which he belongs.

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 2nd Vice-  
 3rd Vice-  
 Rec. Sec  
 Cor. Sec  
 Curator.  
 Treas. . .

Pres. . . .  
 Vice-Pr  
 Rec. Sec  
 Cor. Sec  
 Treas. . .

## STUDENT SOCIETIES.

## Young Men's Christian Association.

## OFFICERS.

<i>Pres.</i> ..... Thomas Dodds, '97.	<i>Rec. Sec.</i> ..... R. Davidson, '99.
<i>1st Vice-Pres.</i> ..... J. T. Taylor, '97.	<i>Asst. Treas.</i> ..... W. A. Groves, '99.
<i>2nd Vice-Pres.</i> ..... R. W. Craw, '98.	<i>Coun. S. P. S.</i> ..... E. H. Darling.
<i>Treas.</i> ..... H. W. Nelson, '98.	<i>Gen. Sec.</i> ..... J. L. Murray, B.A.

Two councillors are to be appointed from the incoming First year.

*Conveners of Committees:* *Membership*, R. B. Blyth, '98; *Devotional*, A. C. Wishart, '97; *Rooms*, C. E. Race, '97; *City Missions*, R. W. Craw, '98; *Finance*, H. W. Nelson, '98; *Boarding Houses*, F. H. Barron, '97; *Bible Study*, R. O. Joliffe, '97; *Music*, F. W. Anderson, '97; *Missionary*, Chairman of Volunteer Band.

## Young Women's Christian Association.

## OFFICERS.

<i>Hon. Pres.</i> ..... Mrs. W. H. Fraser.	<i>Treas.</i> ..... Miss M. Hills, '97.
<i>Pres.</i> ..... Miss M. Dapty, '97.	<i>Rec. Sec.</i> ..... Miss M. J. Pearce, '98.
<i>Vice-Pres.</i> ..... Miss A. E. Ashwell, '98.	<i>Cor. Sec.</i> ..... Miss A. P. Dingman, '99.

First Year Councillor to be elected in October, 1896.

*Conveners of Committees:* *Membership*, Miss B. H. Nichols, '97; *Missionary*, Miss E. J. McPhail, '97; *Music*, Miss McPhail, '97; *Lunch*, Miss E. E. Scott, '97; *Secretary of Bible Class*, Miss Nichols, '97.

## University College Literary and Scientific Society.

## OFFICERS.

<i>Pres.</i> ..... J. C. McLennan, B.A.	<i>Sec. of Com.</i> ..... R. B. Scarfe.
<i>1st Vice-Pres.</i> ..... J. H. Hancock.	<i>Hist. Sec.</i> ..... J. E. Wallbridge.
<i>2nd Vice-Pres.</i> ..... G. Black.	<i>4th Year Coun.</i> ..... L. H. Tasker.
<i>3rd Vice-Pres.</i> ..... W. E. Douglas.	<i>3rd Year</i> "..... D. A. Sinclair.
<i>Rec. Sec.</i> ..... W. D. Love.	<i>2nd Year</i> "..... L. C. Hurlburt.
<i>Cor. Sec.</i> ..... E. A. Andrews.	<i>S. P. S.</i> "..... E. A. Weldon.
<i>Curator</i> ..... J. M. Nicol.	<i>S. P. S.</i> "..... F. M. Perry.
<i>Treas.</i> ..... D. A. Ross.	

## The Women's Literary Society.

## OFFICERS.

<i>Pres.</i> ..... Miss E. R. McMichael.	<i>4th Year Coun.</i> ..... Miss E. J. McPhail.
<i>Vice-Pres.</i> ..... Miss E. E. Scott.	<i>3rd Year</i> "..... Miss H. B. McDougall.
<i>Rec. Sec.</i> ..... Miss M. E. Hunter.	<i>2nd Year</i> "..... Miss L. K. White.
<i>Cor. Sec.</i> ..... Miss A. W. Patterson.	<i>1st Year</i> "..... (Not elected.)
<i>Treas.</i> ..... (Not elected.)	

## University of Toronto Quarterly.

### EDITORIAL BOARD.

<i>Editor-in-chief</i> .....	W. W. Edgar.	<i>Math. and Phys. Soc.</i>	G. F. Colling, '97.
<i>Sec.</i> .....	W. B. Scott.	" " " "	F. W. O. Werry, '97.
<i>Bus. Mng'r.</i> .....	F. W. O. Werry.	<i>Nat. Sc. Assn.</i> .....	F. J. Smale, Ph. D.
<i>Class. Assn.</i> .....	W. S. Milner, M.A.	" " " "	S. R. McKeedy.
" " " "	W. W. Edgar, '97.	" " " "	Selwood.
" " " "	Miss J. P. Brown, '97.	<i>Phil. Soc.</i> .....	F. Tracy, Ph. D.
<i>Mod. Lang. Club.</i>	J. Squair, B.A.	" " " "	H. D. Cameron, '97.
" " " "	Miss E. R. McMichael,	" " " "	J. M. Nicol, '97.
" " " "	'97.	<i>Pol. Sc. Assn.</i> .....	W. H. Moore, B.A.
" " " "	H. L. Jordan, '97.	" " " "	W. B. Scott, '97.
<i>Math. and Phys. Soc.</i>	C. A. Chant, B.A.	" " " "	A. W. Hunter, '98.

### Varsity.

#### EDITORIAL BOARD.

<i>Editor-in-chief</i> .....	Cecil H. Clegg.	<i>Class of '98.</i> .....	O. M. Biggar.
<i>Class of '97.</i> .....	Miss A. E. Tennant.	<i>Class of '99.</i> .....	Miss I. Tennant.
" " " "	B. K. Sandwell.	" " " "	W. F. MacKay.
" " " "	W. K. Stewart.	" " " "	V. E. Henderson.
" " " "	A. B. Watt.	<i>S. P. S.</i> .....	C. McBeth.
<i>Class of '98.</i> .....	Miss M. M. Stovel.	" " " "	F. Little.
" " " "	H. J. O'Higgins.	" " " "	J. A. Bow.
" " " "	J. T. Shotwell.		

#### BUSINESS BOARD.

<i>Manager</i> .....	W. A. Mackinnon.	<i>Class of '98.</i> .....	G. Black.
<i>Class of '97.</i> .....	Miss M. Harvey.	<i>Class of '99.</i> .....	E. N. Armour.
" " " "	H. M. Little.	<i>S. P. S.</i> .....	L. T. Burwash.
<i>Class of '98.</i> .....	Miss F. E. Kirkwood.	" " " "	E. Richards.

The incoming First year will elect one member to each of the Boards.

### Class Societies.

#### 1896.

<i>Pres.</i> .....	A. R. Clute.	<i>Prophet</i> .....	G. W. Howland.
<i>1st Vice-Pres.</i> .....	Miss A. R. Riddell.	<i>Judge</i> .....	J. G. Stanbury.
<i>2nd Vice-Pres.</i> .....	E. D. Carder.	<i>Critic</i> .....	M. A. Shaw.
<i>Sec.</i> .....	A. M. Dewar.	<i>Artist</i> .....	A. J. McKenzie.
<i>Treas.</i> .....	A. McVicar.	<i>Councillor</i> .....	Miss G. I. Cowan.
<i>Mus. Dir.</i> .....	A. S. McKay.	" " " "	Miss L. R. Laird.
<i>Athl. Dir.</i> .....	W. R. Hobbs.	" " " "	Miss E. L. Rutherford.
<i>Poet</i> .....	O. W. Howard.	" " " "	G. S. Henry.
<i>Orator</i> .....	M. G. V. Gould.	" " " "	J. C. Milligan.
<i>Historian</i> .....	N. Sinclair.		

#### 1897.

<i>Pres.</i> .....	G. C. Sellery.	<i>Athl. Dir.</i> .....	F. H. Scott.
<i>1st Vice-Pres.</i> .....	Miss F. S. Glashan.	<i>Historian</i> .....	Miss M. Harvey.
<i>2nd Vice-Pres.</i> .....	H. H. Narraway.	" " " "	G. S. Bale.
<i>Sec.</i> .....	T. Gibson.	<i>Mus. Dir.</i> .....	G. W. Graham.
<i>Treas.</i> .....	J. M. Stevens.	<i>Councillor</i> .....	Miss M. Bapty.
<i>Poet</i> .....	W. A. Mackinnon.	" " " "	Miss F. E. Forbes.
<i>Judge</i> .....	F. H. Barron.	" " " "	Miss E. J. McPhan.
<i>Orator</i> .....	B. K. Sandwell.	" " " "	H. M. Little.
<i>Critic</i> .....	L. H. Tasker.	" " " "	W. B. Scott.
<i>Prophet</i> .....	G. W. K. Noble.		

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**The Glee Club.**

## OFFICERS.

<i>Hon. Pres.</i> .....Prof. Ramsay Wright.	<i>3rd Year Rep.</i> .....G. W. Black.
<i>Pres.</i> .....W. S. Mackay.	<i>2nd " "</i> .....J. Meredith.
<i>Vice-Pres.</i> .....A. B. Watt.	<i>Pianist</i> .....A. E. Wickens.
<i>Sec.</i> .....J. L. R. Parsons.	<i>" "</i> .....W. Love.
<i>Treas.</i> .....W. D. Ruthven.	<i>Librarian</i> .....A. J. G. MacDougal.
<i>Bus. Mngr.</i> .....W. Scott.	<i>Rep. Banjo Club</i> .....J. S. Martin.
<i>4th Year Rep.</i> .....W. B. Scott.	

**Ladies' Glee Club.**

## OFFICERS.

<i>Pres.</i> .....Miss M. Bapty, '97.	<i>Treas.</i> .....Miss V. Gilfillan, '98.
<i>Vice-Pres.</i> .....Miss B. H. Nichols, '97.	<i>Curator</i> .....Miss A. M. Dodge, '99.
<i>Sec.</i> .....Miss A. Lick, '98.	<i>Pianist</i> .....Miss B. Rosenstadt, '98.

Mr. Walter H. Robinson is Musical Conductor of the Club.

**The Banjo, Guitar and Mandolin Club.**

## OFFICERS.

<i>Hon. Pres.</i> .....J. S. Dobie, B.A. Sc.	<i>4th Year Coun.</i> .....J. M. Stevens.
<i>Pres.</i> .....J. S. Martin.	<i>3rd " "</i> .....A. H. Montgomery.
<i>Sec.-Treas.</i> .....E. G. Bogart.	<i>2nd " "</i> .....J. R. Meredith.

Librarian and Business Manager to be elected in October.

**Athletic Association.**

## DIRECTORATE.

<i>Hon. Pres.</i> .....President London.	<i>Rep. Dental, Coll.</i> .....G. Hume.
<i>Pres.</i> .....T. Gibson, '97.	<i>" " "</i> .....A. C. Caldwell.
<i>Vice-Pres.</i> .....W. A. Mackinnon, '97.	<i>" Medicine</i> .....F. McNulty, '97.
<i>Sec.-Treas.</i> .....J. A. Jackson, '97.	<i>" Rugby Club</i> .....A. F. Barr, '96.
<i>Rep. in Arts</i> .....W. M. Martin, '98.	<i>" Assn. Club</i> .....B. French, '97.
<i>" " "</i> .....J. W. Hobbs, '98.	<i>" Cricket Club</i> .....J. L. Counsell, '97.
<i>" " "</i> .....P. H. Tom, '99.	<i>" Hockey Club</i> .....F. H. Scott, '97.
<i>" S. P. S.</i> .....C. McBeth.	<i>" Baseball Club</i> .....F. H. Barron, '97.
<i>" " "</i> .....McMichael.	<i>" Tennis Club</i> .....J. R. L. Parsons, '97.
<i>" Victoria</i> .....J. L. O'Flynn, '97.	<i>" Lacrosse Club</i> .....A. C. Kingstone, '96.
<i>" " "</i> .....F. H. W. Gundy, '98.	

One Representative to be elected in October by the First year in Arts, and one by the First and Second year in Medicine.

**Association Football Club.**

## OFFICERS.

<i>Hon. Pres.</i> .....President London.	<i>Treas.</i> .....D. A. Sinclair.
<i>Pres.</i> .....T. Gibson.	<i>4th Year Coun.</i> .....G. Cooper.
<i>Vice.-Pres.</i> .....J. M. McKinley.	<i>3rd " "</i> .....H. Munroe.
<i>Captain</i> .....J. A. Jackson.	<i>2nd " "</i> .....S. A. Dickson.
<i>Sec.</i> .....B. French.	



**Fencing Club.**

OFFICERS.

<i>Hon. Pres.</i> ..... A. T. DeLury, B.A.		<i>Committee</i> ..... F. H. Stark, '98.
<i>Pres.</i> ..... J. Keele, B.A.Sc.		"..... G. DeLury, '99.
<i>Sec. - Treas.</i> ..... F. G. Millar.		"..... H. R. Stovel, S.P.S.
<i>Committee</i> ..... F. G. Millar, '97.		<i>Master-at-Arms</i> ..... A. Williams.

**Women's Fencing Club.**

OFFICERS.

<i>Hon. Pres.</i> ..... Mrs. Baker.		<i>Sec. - Treas.</i> .. Miss H. B. MacDougall, '98.
<i>Pres.</i> ..... Miss J. P. Brown, '97.		<i>Curator</i> .... Miss J. M. Johnston, '99.

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