

ANNUAL ANNOUNCEMENT  
OF THE  
**Toronto School of Medicine,**

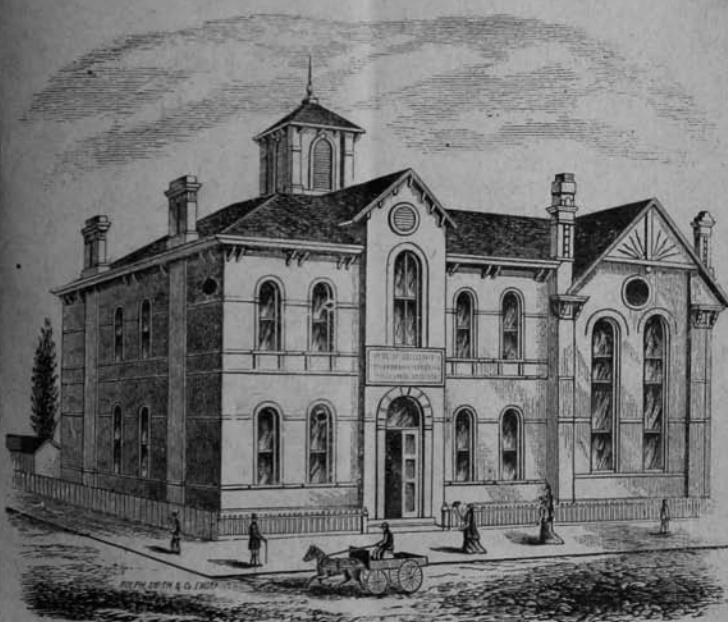
IN AFFILIATION WITH

THE UNIVERSITY OF TORONTO.

THE UNIVERSITY OF VICTORIA COLLEGE,

And recognized by the several Colleges of Physicians and Surgeons in Great Britain.

Established 1843. Incorporated by Act of Parliament, 1851.



OPPOSITE THE TORONTO GENERAL HOSPITAL.

*Thirty-Eighth Session, from October 1st, 1880, to April 1st, 1881.*

TORONTO:

PRINTED AT THE METHODIST BOOK AND PUBLISHING HOUSE, COURT STREET.

ANNUAL ANNOUNCEMENT  
OF THE  
Toronto School of Medicine,

IN AFFILIATION WITH  
The University of Toronto

AND  
The University of Victoria College,

AND RECOGNIZED BY THE SEVERAL COLLEGES OF PHYSICIANS AND  
SURGEONS OF GREAT BRITAIN.

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TORONTO:  
PRINTED AT THE GUARDIAN BOOK AND PUBLISHING HOUSE.  
1880.



# University of Toronto.

## MEMBERS OF SENATE, 1880-81.

(1) *Ex-Officio.*

HON. EDWARD BLAKE, M.A., Q.C., M.P.,  
*Chancellor.*

HON. THOMAS MOSS, M.A.,  
*Vice-Chancellor.*

REV. JOHN McCULL, LL.D.,  
*President of University College.*

GEORGE R. R. COCKBURN, M.A.,  
*Principal of Upper Canada College.*

UZZIEL OGDEN, M.D.,  
*Representative of the Toronto School of Medicine.*

JOHN FULTON, M.D., M.R.C.S., England,  
*Representative of Trinity Medical School.*

REV. J. E. WELLS, M.A.,  
*Representative of the Canadian Literary Institute, Woodstock.*

SAMUEL BARTON BURDETT, LL.B.,  
*Representative of Albert College, Belleville.*

A. MCMURCHY, M.A.,  
*Representative of High School Masters, Ontario.*

HON. JOSEPH CURRAN MORRISON,  
*Ex-Chancellor.*

HENRY HOLMES CROFT, D.C.L., F.C.S.,	}	<i>Ex-Vice Chancellors.</i>
JOHN LANGTON, M.A.,		
HON. JAMES PATTON, LL.D., Q.C.,		
HON. ADAM CROOKS, LL.D., Q.C., M.P.P.,		
LARRATT WILLIAM SMITH, D.C.L.,		
GEORGE BUCKLAND, Esq.,	}	<i>Representing Council of University College.</i>
W. D. PEARMAN, M.A.,		

(2) *Elected by Convocation.*

WILLIAM MULOCK, M.A.	J. E. GRAHAM, M.D., L.R.C.P., Lond.
JOHN BOYD, M.A., B.C.L.	S. WOODS, M.A.
WILLIAM OLDRIGHT, M.A., M.D.	J. KING, M.A.
JOHN MORISON GIBSON, M.A., LL.B.	ARCHIBALD FRED. CAMPBELL, M.A.
JAMES HENRY RICHARDSON, M.D.	THOS. WARDLAW TAYLOR, M.A., Q.C.
JAMES BETHUNE, Q.C.	LACHLAN MCFARLANE, M.B.
JAMES LOUDON, M.A.	REV. NIEL MACNISH, B.D., LL.D.
JAMES THORBURN, M.D.	

(3) *Nominated by His Excellency the Lieutenant-Governor.*

Hon WILLIAM McMASTER.	JOHN MACDONALD, Esq.
Hon. JOHN WELLINGTON GWYNNE.	DANIEL WILSON, LL.D.
Hon. M. C. CAMERON.	Rev. DANIEL J. MACDONNELL, B.D.
HUGH McMAHON, Q.C.	Hon. CHRISTOPHER S. PATTERSON.
CASIMIR STANISLAUS GZOWSKI, C.E.	

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Registrar—WILLIAM GLENHOLME FALCONBRIDGE, M.A.

Librarian—WILLIAM HENRY VANDERMISSEN, M.A.

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## Senate of Victoria University.

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Rev. S. S. NELLES, D.D., LL.D., <i>Pres.</i>	M. LAVELL, M.D.
Rev. E. WOOD, D.D.	Rev. I. B. HOWARD.
Rev. E. RYERSON, D.D., LL.D.	WILLIAM BEATTY, M.A., LL.D.
JUDGE DEAN, B.A.	Rev. E. H. DEWART, D.D.
WILLIAM KERR, M.A., Q.C.	W. H. GIBBS, Esq.
Rev. RICHARD JONES.	Rev. A. SUTHERLAND, D.D.
J. H. DUMBLE, M.A., LL.B.	W. E. SANFORD, Esq.
Rev. S. D. RICE, D.D.	D. C. McHENRY, M.A.
W. BROUSE, M.A., M.D.	JAMES MILLS, M.A.
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JOHN MACDONALD, Esq.	Rev. W. BURNS, D.D.
B. M. BRITTON, M.A., Q.C.	UZZIEL OGDEN, M.D.
Rev. J. R. SANDERSON, D.D.	W. H. McCLIVE, M.A., LL.B.

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*Professors of the Faculty of Arts.*

"	"	<i>Medicine.</i>
"	"	<i>Law.</i>
"	"	<i>Theology.</i>

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Registrar—JOHN WILSON, Esq., LL.D., *Cobourg.*

FACULTY OF  
**Toronto School of Medicine,**

1880-81.

**HENRY H. CROFT, D.C.L., F.L.C.,** *Professor of Chemistry and Experimental Philosophy, University College, Emeritus Lecturer on Chemistry.*

**WM. T. AIKINS, M.D.,** *Surgeon to the Toronto General Hospital and to the Central Prison, Consulting Surgeon to the Children's Hospital, Lecturer on Principles and Practice of Surgery and Clinical Surgery.—282 Jarvis Street.*

**H. H. WRIGHT, M.D., L.C.P. & S.U.C.,** *Physician to Toronto General Hospital, Consulting Physician to the Children's Hospital, Lecturer on Principles and Practice of Medicine and Clinical Medicine.—197 Queen St. East.*

**J. H. RICHARDSON, M.D., M.R.C.S., Eng.,** *Consulting Surgeon to Toronto General Hospital, and Surgeon to Toronto Gaol, Lecturer on Descriptive Anatomy.—46 St. Joseph Street.*

**UZZIEL OGDEN, M.D.,** *Consulting Physician to the Toronto General Hospital, Consulting Surgeon to the Children's Hospital, Physician to the House of Industry, Protestant Orphans' Home, and Home for Incurables, Lecturer on Midwifery and Diseases of Women and Children.—57 Adelaide St. West.*

**JAMES THORBURN, M.D.,** *Edin. and Toronto Univ., Physician to the Toronto General Hospital and Boys' Home, Consulting Surgeon to the Children's Hospital, Lecturer on Materia Medica and Therapeutics.—Wellington and York Streets.*

**M. BARRETT, M.A., M.D.,** *Medical Officer to Upper Canada College, and Lecturer on Physiology, Ontario College of Veterinary Medicine, Lecturer on Physiology.—Upper Canada College.*

**W. W. OGDEN, M.B.,** *Physician to the Toronto Dispensary, Lecturer on Medical Jurisprudence and Toxicology.—242 Queen Street West.*

**M. H. AIKINS, B.A., M.B., M.R.C.S., Eng.,** *Lecturer on Primary Anatomy.—Burnamthorpe.*

**W. OLDRIGHT, M.A., M.D.,** *Physician to the Newsboys' Home, Curator of Museum, and Lecturer on Sanitary Science.—50 Duke Street.*

- L. McFARLANE, M.B.**, *Physician to the Toronto Dispensary and Home for Incurables*, Demonstrator of Anatomy.—7 Wilton Avenue.
- GEORGE WRIGHT, M.A., M.B.**, *Physician to the Toronto Dispensary, Physician to the Children's Hospital and Home for Incurables*, Demonstrator of Anatomy.—243 Simcoe Street.
- ALEX. GREENLEES, M.B.**, *Practical Chemistry*.—250 Victoria Street.
- R. ZIMMERMAN, M.D., L.R.C.P., Lond.**, *Pathologist to the Toronto General Hospital, Physician to the Toronto Dispensary, Physician to the Children's Hospital, Physician to the Home for Incurables*, Demonstrator of Microscopical Anatomy.—171 Church Street.
- F. H. WRIGHT, M.B., L.R.C.P., Lond.**, *Physician to the Toronto Dispensary, Physician to the Children's Hospital*, Demonstrator of Microscopical Anatomy.—197 Queen Street East.
- J. E. GRAHAM, M.D., L.R.C.P., Lond.**, *Surgeon to the Toronto General Hospital*, Clinical Medicine and Dermatology.—66 Gerrard Street East.
- R. A. REEVE, B.A., M.D.**, *Ophthalmic Surgeon to the Toronto General Hospital and Children's Hospital*, Lecturer on Diseases of the Eye and Ear.—22 Shuter Street.
- THOS. HEYS**, *Lecturer on Chemistry and Pharmacy for the Pharmaceutical Society*, Lecturer on Chemistry.
- HENRY MONTGOMERY, M.A., B.Sc.**, *Science Master in Toronto Collegiate Institute*, Lecturer on Botany and Zoology.—32 Prospect Street.
- A. H. WRIGHT, B.A., M.B., M.R.C.S., Eng.**, *Physician to the Toronto Dispensary, Physician to the Children's Hospital*, Adjunct Lecturer on Physiology.—312 Jarvis Street.
- ~~**H. H. CAMERON, M.B.**, *Physician to the House of Providence, Hospital for Sick Children, and Toronto Dispensary*, Assistant Demonstrator of Microscopical Anatomy and Assistant Secretary.—44 Duke Street.~~

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Clinical Lectures will be given at the General Hospital by Dr. H. H. Wright, Dr. Aikins, Dr. Richardson, Dr. Thorburn, Dr. Graham, Dr. Reeve, and Dr. U. Ogden.

Clinical Instructions will be given at the Toronto Dispensary by Dr. McFarlane, Dr. George Wright, Dr. F. H. Wright, Dr. Zimmerman, Dr. A. H. Wright, and Dr. I. H. Cameron.

Janitor of School, James Pickering. Residence on the premises.

THE THIRTY-EIGHTH SESSION  
OF THE  
Toronto School of Medicine,  
IN AFFILIATION WITH  
THE UNIVERSITY OF TORONTO AND THE UNIVERSITY OF VICTORIA COLLEGE.

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The thirty-eighth session of the Toronto School of Medicine will open on Friday, the 1st day of October next, when it is very desirable that all students should be present.

The School building is complete in all its appointments, containing two large class-rooms, students' waiting-room, museum, laboratory, together with a well-lighted and furnished dissecting-room.

Since the issuing of the last announcement, a number of Skeletons have been obtained from Paris, in order to facilitate the study of Anatomy. Six microscopes have also been procured for the use of the students in Practical Histology.

Particular attention is directed to the new museum. Situated immediately behind the lecture-room, its close proximity, and the completeness of all its arrangements, will render it a most valuable aid to the students in the pursuit of their studies. It will compare favourably with the best museum of the kind on this continent.

The Faculty has much pleasure in announcing that Dr. Barrett, who has been ill during the last two sessions, has completely recovered his health, and will resume his duties during the ensuing session.

With the view of giving more attention to the practical teaching of physiology, Dr. A. H. Wright has been appointed Adjunct Lecturer.

The Hospital advantages now offered by the City of Toronto render it a much more important and desirable point for the pursuit of medical studies than ever before. In the same enclosure there are the General Hospital, for the treatment of the various forms of medical and surgical diseases; the fever wing, devoted to the treatment of this class of diseases; the Burnside Lying-in-Hospital, in which abundant obstetrical facilities are afforded; and the Eye and Ear Infirmary, exclusively appropriated to the care of eye and ear cases. In the entire building there is an average of somewhere in the neighbourhood of two hundred patients; and the Institution, in



all its arrangements, offers exceptionally superior advantages for clinical study. With the growing conviction among the profession as to the necessity for a thorough and systematic course of clinical instruction, it will be apparent that intending students are now offered opportunities in Toronto far superior to any hitherto enjoyed, and such as are not surpassed in this country.

In addition to the General Hospital, students will also have access to several public charities in the city, prominent among which are the Toronto Dispensary on Simcoe Street, and the Children's Hospital, at the head of Elizabeth Street.

It is hoped that, by thorough clinical instruction, associated with the didactic course, the Faculty will be able to offer advantages of a very superior character to those entering upon medical studies. They will continue to devote their best efforts to the attainment of this end.

The Toronto School of Medicine is now in affiliation with the University of Victoria College, in addition to that with the University of Toronto; and students have now the privilege of graduating in either or both of these Institutions.

Intending students are especially reminded of the desirability of reporting themselves to the Secretary of the Faculty as soon after the opening of the Session as possible, in order that, at an early day, they may acquaint themselves with the precise nature of their work.

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## FEES OF TORONTO SCHOOL OF MEDICINE.

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### FEES.

For the course on—1, Demonstrations, including material for dissection; 2, Physiology; 3, Chemistry; 4, Materia Medica and Therapeutics; 5, Medicine; 6, Surgery; 7, Midwifery and Diseases of Women and Children, \$12 each.

Anatomy, descriptive and surgical, \$15.

1, Medical Jurisprudence, three months' course; 2, Practical Chemistry; 3, Clinical Medicine; 4, Clinical Surgery—\$6 each.

1, Sanitary Science; 2, Microscopical Demonstration; 3, Botany—\$5 each.

Registration, \$5, payable only once.

The third course on any branch, free.

All fees must be paid in advance.

Additional information may be obtained from H. H. Wright, M.D., 197 Queen St. East, Secretary of the Faculty, ~~and from L. H. Clouston, M.B., 144 Duke St., Assistant Secretary~~, to whom all communications may be addressed.

### FACULTY SCHOLARSHIPS.

The Faculty have established the following Scholarships, which will be open to the students of the respective years in which they are awarded, and will be distributed as follows :

There will be one Scholarship of the value of \$50 awarded at the close of each of the first three years of the course. These scholarships will be open to all students who have attended and paid for the course of lectures in the several years for which they are awarded.

There will also be a prize given at the end of the fourth year, consisting of a surgical case of the value of \$50. This prize will be open for competition to all students who have attended at this school and paid for two full courses of lectures.

The amounts of the several scholarships will be given in money to the successful competitors as soon as they have been awarded.

The Secretary of the Faculty will be in attendance at the School on Wednesday, September 22nd, and following days, from 11 a.m. till 12 noon, and from 3 till 4 p.m., to register the names of any intending students, and to give such information regarding lectures, &c., as may be required.

The following gentlemen, students of the Toronto School of Medicine, took honours at the Spring Examinations :

### UNIVERSITY OF TORONTO.

Gold Medal.—W. J. Cross.

Starr Gold Medal.—W. J. Cross.

1st University Silver Medal.—P. H. Bryce.

2nd University Silver Medal.—Ferguson.

Starr Silver Medal.—P. H. Bryce.

1st Year Scholarship, \$120.—Robinson.

3rd Year Scholarship, \$120.—James H. Duncan.

### TORONTO SCHOOL OF MEDICINE SCHOLARSHIPS.

1st Year, \$50.—Robinson.

2nd Year, \$50.—J. T. Duncan.

3rd Year, \$50.—J. H. Duncan.

4th Year, instruments, value \$50.—P. H. Bryce.

# COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.

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## REGULATIONS FOR 1880-81.\*

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### MATRICULATION.

1. After 1st January, 1879, the Matriculation Examinations will be held in Toronto and Kingston alternately. The examination at Toronto will be held on the first Tuesday and Wednesday after Good Friday. The examination at Kingston on the third Tuesday and Wednesday in August in each year, and both the Matriculation Examiners shall take part in every Matriculation Examination. In this examination writing and dictation will be included: correct spelling and legible writing will be considered imperative.

2. The rules laid down for conducting the Professional Examinations shall be observed in all respects at the Matriculation Examination.

3. Every Student, before his Professional studies begin, must pass a satisfactory examination in the following subjects before the Examiners of the Council:—

- a. English Language, including Grammar and Composition.
- b. Arithmetic.
- c. Algebra, including Simple Equations.
- d. Geometry, first two books of Euclid.
- e. Latin, Translation and Grammar.

And upon one of the following subjects (of which Students are recommended to select either Natural Philosophy or one of the Modern Languages), the Candidate having the option of naming the subject upon which he† will be examined, viz. :

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\* Information with regard to any changes which the Medical Council may make at its coming Session may be obtained from the Secretary of the School after the meeting in July.

† The masculine pronoun is used here and throughout the "Regulations" with reference to "Students" and "Candidates;" nevertheless, these terms are to be construed as applicable to either sex.

GREEK.

FRENCH.

GERMAN.

NATURAL PHILOSOPHY, including Mechanics, Hydrostatics, and Pneumatics.

4. The following are the Text-books to be used in the examination. Where more than one is named, the Candidate may select the one upon which he may prefer to be examined, viz. :

LATIN—Cæsar, *Commentaries on Gallic War*, fifth and sixth Books ; Cicero, *Manilian Law* ; Virgil, *Æneid*, second Book.

GREEK—Xenophon, *Anabasis*, first Book.

FRENCH—Voltaire, *Charles XII.*, first, second, and third Books.

GERMAN—Adler's Reader, first part ; Schiller's Thirty Years' War, first Book.

NATURAL PHILOSOPHY—Peck's Ganot ; Sangster's first Book.

5. Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications, and upon paying the matriculation fee of Ten Dollars.

6. Every Medical Student, after matriculation, shall be registered in the manner prescribed by the Council, and this shall be held to be the preliminary to his Medical Studies, which shall only be considered to begin from the date of such registration.

7. Any Candidate who shall, after June, 1879, fail in any branch of his Matriculation Examination, shall be held to have failed altogether, and be rejected ; but those who before that date have passed upon some of the subjects, shall be allowed credit for such subjects at a subsequent examination.

8. No tickets for Lectures will henceforward be accepted by the Council unless two certificates are endorsed thereon : the first specifying the number of lectures actually delivered in the course ; and the second testifying that the pupil had attended at least 75 per cent. of the same.

9. Applications for every examination must be made to the Registrar of the College of Physicians and Surgeons of Ontario at least two weeks before such examinations ; and no application will be received unless accompanied by the necessary tickets and certificates, and by the Treasurer's receipt showing that the fees have been paid.

10. Dating from April 1st, 1878, the prescribed period of studies shall be held to mean forty-eight calendar months, to be computed from the date of matriculation.

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### MEDICAL CURRICULUM.

1. Every Student, after his matriculation has been registered, must spend a period of Four years in actual Professional study, except as hereinafter provided.

2. Graduates in Arts of any college or university recognized by the Council will only be required to pass Three years after graduating, in attendance upon Medical Lectures, before being admitted to their Final Examination.

3. Every Student commencing after June, 1880, not a graduate in Arts, shall attend Medical Lectures for at least Four Sessions of six months each.

4. Each "Six-Months' Course" shall consist of not less than One Hundred Lectures.

5. Every Student must attend the under-mentioned Courses of Lectures\* in a University, College, or School of Medicine approved of by the Council, viz. :

Two courses of Six Months each upon

ANATOMY,  
PRACTICAL ANATOMY,  
PHYSIOLOGY (including Histology),  
THEORETICAL CHEMISTRY,  
MATERIA-MEDICA AND THERAPEUTICS,  
PRINCIPLES AND PRACTICE OF MEDICINE,  
PRINCIPLES AND PRACTICE OF SURGERY,  
MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN,  
CLINICAL MEDICINE,  
CLINICAL SURGERY.

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\* No certificate of attendance upon any Course will be accepted if the Teacher lecture upon more than one Branch of Medical Science, nor if he delivers more than one lecture daily. However, the Lecturer on Medicine may lecture upon Clinical Medicine; the Lecturer on Surgery, upon Clinical Surgery; and the Lecturer on Materia Medica upon Botany and upon Medical Jurisprudence. Furthermore, no certificate of pupilage, nor of attendance upon Lectures, in the Province of Ontario, will hereafter be accepted, if the person certifying the same be not a duly Registered Practitioner, excepting in the subjects of Botany and Chemistry.

One course of Six Months, or two courses of Three Months each,  
upon

MEDICAL JURISPRUDENCE.

One course of Three Months upon  
PRACTICAL CHEMISTRY,  
BOTANY.

One course of not less than Twenty-five Demonstrations upon  
MICROSCOPIC ANATOMY, PHYSIOLOGY AND PATH-  
OLOGY.

One course of Twenty-five lectures on  
SANITARY SCIENCE.

Every candidate will be required to prove that he has twice  
carefully dissected the whole adult human body.

6. The following are the Text-books recommended by the Council  
in the various branches :

#### GENERAL TEXT-BOOKS.

ANATOMY—*Gray*.

PHYSIOLOGY—*Marshall, Dalton, Carpenter, Kirke, Paget*.

CHEMISTRY—*Fownes, Croft, Roscoe, Attfield, Gairdner*.

MATERIA MEDICA—*Pereira by Wood, Stille, Wood, United  
States Dispensatory*.

SURGERY—*Druitt, Gross, Erichson, Bryant, Hamilton*.

MEDICINE—*Flint, Watson, Wood, Aitken, Bennett, Tanner,  
De Costa on Diagnosis*.

MIDWIFERY—*Tyler Smith, Churchill, Barnes*.

MEDICAL JURISPRUDENCE AND TOXICOLOGY—*Taylor*.

PATHOLOGY—*Jones and Sieveking, Paget's Surgical Pathology,  
Rokitansky, Billroth*.

#### HOMŒOPATHIC TEXT-BOOKS.

MATERIA MEDICA—*Hahnemann, Jhar, Dudgeon*.

MEDICINE—*Niemeyer's Pathology, Baehr's Therapeutics, Raue's  
Pathology and Diagnostics, Marcy and Hunt's Practice, Da Costa  
on Diagnostics, Flint*.

SURGERY—*Franklin, Helmuth, Gilchrist, Gross*.

MIDWIFERY—*Bedford, Guernsey, Ludlam, Meadows*.

7. Every Student, before being admitted to the Final Examina-  
tion hereinafter mentioned, must have spent a period of Six Months in  
the office of a regularly qualified Medical Practitioner,\* compounding  
medicines.

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\* The words "regularly qualified" are applicable only to Practitioners registered according  
to law.

8. After June, 1880, he must have attended the practice of a General Hospital for Twenty-four Months.

9. He must have attended Six cases of Midwifery.

10. He must, before being registered as a member of the College of Physicians and Surgeons of Ontario, have passed all the Examinations hereinafter prescribed; and he must have attained the full age of twenty-one years.

11. (a) All persons from registered Colleges outside the Province of Ontario and Quebec, who desire to qualify themselves for registration in this Province, must pass the Matriculation Examination established by the Council, and attend thereafter one full "Winter Course" of Lectures in some one of the Ontario Medical Schools, and such other Course or Courses as may be necessary to complete the Curriculum required by the Council, and shall pass before the Board of Examiners appointed by the Council all the Examinations hereinafter prescribed. This does not apply to Homœopathic Students.

12. (b) Nothing shall exempt residents of Ontario who, after July, 1877, elect to pursue their studies outside of the Province of Ontario, from passing Four Years in the pursuit of their Professional Studies; such Four Years to commence at the date of their passing the Matriculation Examination before the Examiners appointed for the purpose by the Council.

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### EXAMINATIONS.

1. Hereafter the Professional Examination shall be divided into two parts—a "Primary" and a "Final."

2. The Primary Examinations shall be undergone at the end of the second Winter Session, and the Final after the fourth Winter Session.

3. The following branches shall be embraced in the Primary Examination:—

- a. Descriptive Anatomy.
- b. Physiology and Microscopic Anatomy.
- c. Chemistry, Theoretical and Practical.
- d. Materia Medica and Therapeutics.
- e. Botany.

4. The following branches will be embraced in the Final Examination :—

- a. Medical and Surgical Anatomy.
- b. Theory and Practice of Medicine and Medical Pathology.
- c. Surgery other than Operative.
- d. Surgery Operative.
- e. Midwifery other than Operative.
- f. Midwifery Operative.
- g. Medical Jurisprudence and Toxicology.
- h. Sanitary Science.

5. The Primary Examination shall be entirely ORAL, the Final Examination shall be entirely WRITTEN.

6. Any Candidate who fails in any branch at his *Primary Examination* shall be held to have failed in all; and any Candidate who at his *Final Examination* passes creditably *four* or more branches, but fails in the others, shall receive credit for the subjects so passed, and be compelled to pass in the other branches *only*, at a subsequent Examination.

N.B.—The Council will not stay legal proceedings in regard to the unsuccessful Candidates.

7. The next Professional Examination will be held in Toronto and Kingston simultaneously, commencing the second Tuesday in April, 1881.

#### FEES.

1. The following scale of fees has been established by the Council of Physicians and Surgeons of Ontario :

(a) MATRICULATION EXAMINATION .....	\$10 00
(b) REGISTRATION OF MATRICULATION :	
1. Those examined by the Council Examiners.....	No CHARGE.
2. Graduates and Matriculants in Arts .....	\$10 00
(c) "PRIMARY EXAMINATION" .....	20 00
(d) FINAL EXAMINATION .....	30 00
(e) ORDINARY REGISTRATION FEE.....	10 00
(f) REGISTRATION OF ADDITIONAL TITLES OR DEGREES.....	2 00
(g) DIPLOMA OF MEMBERSHIP OF THE COLLEGE .....	5 00
(h) ANNUAL CONTRIBUTIONS FROM MEMBERS OF THE COLLEGE..	1 00

2. All fees must be paid in lawful money of Canada to the Treasurer of the College.



3. No candidate will be admitted to any Examination until the Fee for such Examination is paid in full.

4. No part of the Fees paid, either for Matriculation or Professional Examination, will be returned to the unsuccessful Candidates.

The following resolutions were adopted by Council :

1. Candidates who passed their first year's Examination before this Council may present themselves for the Primary Examination in 1880 ; and Candidates who passed their second and third years' Examinations, may present themselves, on completing their curriculum, for their Final Examination, including Materia Medica and Anatomy not passed ; not, however, in any case sooner than four years from the date of their being registered as passing their Matriculation Examination.

2. All Students who have passed the First and Second Years' Examination under Curriculum published in Calendar of 1878-9, may, if they so desire, be allowed to proceed to the conclusion of their course under such Curriculum.

3. Not only the new Primary, but any other Professional Examination, if such should be up to the level of the said Primary, shall be entirely oral.

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# UNIVERSITY OF TORONTO.

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## FACULTY OF MEDICINE,

1880.

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### DEGREE OF M.B.

There are two ordinary modes of proceeding to the degree of M.B., viz., (1) by taking a Pass Course; or (2) by taking an Honor Course.

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### ENTRANCE.

Candidates to enter this Faculty must pass the Matriculation Examination unless (1) they possess a Degree in Arts, not being an Honorary Degree, from any Dominion or British University, or (2) they have already matriculated in the Faculty of Arts or in the Faculty of Law in this University.

Before presenting themselves for the Matriculation Examination, Candidates must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

The ordinary Annual Matriculation Examination (both Pass and Honors) will commence in the latter part of June.

Supplemental Examinations for Matriculation will be held in the latter part of September, at which those who were rejected at the June Examinations, as well as new Candidates, may offer themselves; but no Honors or Scholarships will be awarded at such supplemental Examination.

The Fee for Matriculation is Five Dollars, and must be paid to the Registrar at the time the Candidate gives notice of intention to present himself, viz., at least two weeks before the date of commencement of Examination. The Fee for the registration of exemption from this Examination is, for Graduates in Arts from other Univer-

sities, Five Dollars ; for Matriculation from other Faculties in this University, Three Dollars ; for Graduates in Arts of this University, Two Dollars. No Fee is exacted from Graduates in Arts of this University who have taken Honors in the Department of Natural Sciences.

Candidates are required to have matriculated before presenting themselves for any Professional Examination.

Candidates on giving notice of intention to present themselves at the Matriculation Examination are required to signify whether they purpose taking the Pass or Honor Examination. Scholarships are only awarded in connection with the latter.

The following groups of subjects must be passed by every Matriculant :—

- (1) Three out of the four languages, Latin, Greek, French, and German, one of which must be Latin.

#### LATIN.

1878. { CÆSAR, Bellum Britannicum (Bellum Gallicum, B. IV.,  
c. 20-36, B. V., c. 8-23.)  
CICERO, Pro Archia.  
VIRGIL, Æneid, B. II., vv. 1-317.  
1879. { CÆSAR, Bellum Britannicum.  
CICERO, Pro Archia  
VIRGIL, Eclog. I., IV., VI., VII., IX.  
1880. { CICERO, In Catilinam, II., III., IV.  
VIRGIL, Eclog. I., IV., VI., VII., IX.  
1881. { CICERO, In Catilinam, II., III., IV.  
VIRGIL, Æneid B. I., vv. 1-305.  
Translation from English into Latin.

#### GREEK.

1878. XENOPHON, Anabasis, B. I.  
1879 & 1880. XENOPHON, Anabasis, B. II.  
1881. XENOPHON, Anabasis, B. V.

#### FRENCH.

- 1878 & 1880. SOUVESTER, un philosophe sous les toits.  
1879 & 1881. EMILE DE BONNECHOSE, Lazare Hoche.  
Translation from English into French.

#### GERMAN.

1878. } SCHILLER, { Die Burgschaft.  
1880. } { Der Taucher.  
1879. } SCHILLER, { Der Gang nach dem Eisenhammer.  
1881. } { Die Kraniche des Ibycus.

- (2) Mathematics, including Arithmetic, Algebra to the end of Quadratics, and the First Three Books of Euclid.
- (3) English Grammar and Composition, with the Outlines of History and of Modern Geography, and an exercise in writing to Dictation. The following text-books indicate the scope of the examination in Grammar and History: Masson's English Grammar, Freeman's General Sketch of European History, Edith Thompson's History of England.

No candidate will be allowed to pass the Matriculation Examination unless he has obtained one-third of the aggregate marks allotted to it, and unless in each subject of every group he has obtained at least one-fourth of the marks allotted to such subject.

No wider range of work is required of Candidates for Honors, but extra Honor papers will be set in all the above-mentioned subjects, and special attention will be paid to translation from English into the languages professed by Candidates. A paper on Chemistry will be set for such Honor Students as may enter for the same, and the marks obtained in it will be reckoned in along with the others in the award of scholarships. Text-book recommended: Roscoe's Elements.

The following is the proportion of marks allotted to each subject in the Honor Matriculation Examination :

(1) Latin .....	200	
Greek .....	100	
French .....	100	
German .....	100	
	—	500
(2) English Grammar and Composition .....	150	
Writing to Dictation .....	50	
: Outlines of History .....	100	
Outlines of Geography .....	100	
	—	400
(3) Arithmetic .....	150	
Algebra .....	150	
Euclid .....	100	
	—	400
(4) Chemistry .....	100	
	—	1400

Those Candidates will be placed in the First Class of Honors who obtain two thirds or more of the aggregate number of marks mentioned above; those who obtain one-half of the aggregate number will be ranked in the Second Class.

The Matriculation Scholarships will be awarded to the two Candidates who rank first and second respectively in the Examination, provided they have obtained at least sixty per cent. of the aggregate number of marks, exclusive of those allotted to Chemistry.

Candidates for Matriculation may not compete for Honor or Scholarships in two Faculties. Those who have matriculated in a Faculty may not compete for Honors or Scholarships at a subsequent Matriculation Examination in another Faculty.

The above Regulations relating to Matriculation came into force on the 1st October, 1878.

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#### REGULATIONS RELATING TO UNDERGRADUATES.

Undergraduates are required to attend Lectures, and receive practical instruction during each of four years, at one or other of the Schools of Medicine recognized for this purpose by the University. The certificates of attendance upon Lectures must mention the precise number of lectures given in each Course, and must certify the attendance of the Candidate at two-thirds of these at least. The Certificates of Practical Instruction must certify that the Candidate has diligently pursued the studies in question for the whole of the time required, and these must be signed by the teachers in the immediate charge of the Laboratories where the instruction was obtained.

Each Undergraduate, at the end of each of the four years of his Course, is required to present himself at the Annual Examination of that particular year. The Annual Examinations are styled the First, Second, Third, and Fourth Professional Examinations, and are to be passed in separate years in the order named, by all Candidates for the degree.

(a) In the case of a Candidate being prevented by sickness, domestic affliction, or other causes beyond his control, from attending at one of the Professional Examinations, he may be allowed, on establishing the sufficiency of the cause, to take that examination together with the next following.

(b) This privilege will not be allowed to a Candidate rejected at a Professional Examination.

- (c) If, however, the Candidate has been rejected in one subject only, having shown fair proficiency in the others, he may be allowed to take that subject along with the work of the next Professional Examination.
- (d) In the case of a Candidate for the First Professional Examination failing to obtain the required percentage in two of the subjects, while he has distinguished himself in all the others, the Board of Examiners may recommend that the subjects passed be allowed to him, and that he shall take the other subjects over again with the work of the Second Professional Examination.

Graduates in Arts of this University with Honors in the Department of Natural Sciences, will be exempted from the First Professional Examination, and from the payment of the fee for the same. They will, however, be required to take Anatomy of that examination along with the Second Professional Examination.

No Candidate will be allowed to pass any of the Professional Examinations who has not obtained at least one-half of the marks allotted to such Examination. Nor will a candidate be considered as having passed any individual subject who has not obtained at least one-third of the marks allotted to such subject.

N.B.—This regulation will be enforced at once, and will be applicable to Undergraduates going out under the old Statute.

The Fee of each Professional Examination is Two Dollars, payable when the Candidate notifies to the Registrar his intention to present himself. A Candidate who has been rejected at one Professional Examination will be admitted to the same examination in the following year on payment of One Dollar.

Notice will be given annually, in January, of the days on which the Examinations for the year will commence. Every Undergraduate who proposes to present himself at a Professional Examination must send into the Registrar a statement (according to a printed form which will be furnished) of the course he is taking, whether Pass or Honor, of the Lectures he has attended, and of the practical instruction he has received, with the names of the Teachers and such other particulars as the printed form may indicate, together with the original certificates referred to in the statement.

### Certificates required for the different Examinations :—

#### First Professional—

- (1) Of Matriculation.
- (2) Of having attended Lectures on the following subjects :—

(a) Anatomy, a course of at least 100 Lectures.				
* (b) Inorganic Chemistry, a course of at least 60 Lectures.				
(c) Natural Philosophy,	"	"	"	20 "
* (d) Botany,	"	"	"	40 "
* (e) Zoology,	"	"	"	40 "

Of the above Lectures marked \* at least one-third must be of the nature of practical lessons, involving laboratory practice on the part of the student ; and this must be attested to on the same or a separate certificate.

- (3) Of practical instruction in Anatomy during six months.

#### Second Professional—

- (1) Of having attended Lectures on the following subjects :—

(a) Anatomy, a second course of 100 Lectures.	
(b) Physiology,	} Each a course of at least 100 Lectures.
(c) Materia-Medica and Therapeutics,	
(d) Organic Chemistry, a course of at least 40 Lectures.	

- (2) Of practical instruction in—

(a) Anatomy, a second course of six months.	
(b) Histology,	} Each during at least 3 months.
(c) Physiological Chemistry,	

- (3) Of having dissected the parts of the human body once.
- (4) Of being skilled in compounding and dispensing drugs.

(This certificate may be from a registered Practitioner, the Apothecary of a Public Hospital, or of a Public Dispensary, or from a Member of the Pharmaceutical Societies of Ontario or Quebec.)

#### Third Professional—

- (1) Of having attended Lectures on the following subjects :—

(a) Practice of Medicine,	
(b) Surgery,	During courses of 100 Lectures each.
(c) Obstetrics, &c.,	
(d) Clinical Surgery and Medicine,	
(e) General Pathology, course of at least 50 Lectures.	

- (2) Of having dissected the parts of the human body a second time.
- (3) Of practical instruction in Pathological Hystology during at least three months.

**Fourth Professional—**

- (1) Of having attended Lectures on—
  - (a) Clinical Medicine and Surgery, a further course of 100 Lectures.
  - (b) Forensic Medicine, a course of 50 Lectures.
  - (c) Hygiene, " " 25 "
  - (d) Medical Psychology " " 12 "
- (2) Of practical instruction in Chemistry in its application to Hygiene and Forensic Medicine.
- (3) Of having attended at least 6 Clinics in a Public Lunatic Asylum.
- (4) Of having conducted at least 6 Labours, }
- (5) Of proficiency in Vaccination, } Certificates received from any registered Practitioner.
- (6) Of attendance in the Wards of a Public Hospital accommodating not less than 100 beds during 18 months.
- (7) Of attendance for six months on the Out-practice of a Hospital, Dispensary, or registered Practitioner.
- (8) Of having attended 12 Autopsies.

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**REGULATIONS RELATING TO THE HONOUR COURSE.**

Candidates who are taking the Honour Course will be entitled to First Class Honours in any of the Professional Examinations if they obtain seventy-five per cent. of the aggregate marks allotted to such examination. Those who obtain sixty-six per cent. of the aggregate marks will be entitled to Second Class Honours.

Extra papers on all the Pass Subjects will be set for Honour Candidates, as well as papers on certain Extra Honour Subjects. These are marked with an asterisk in the list which follows.

Candidates who proceed to the degree of M.B. by taking the Honour Course, will be grouped in two classes, according to their success in the Honour Examinations. Only those Candidates will receive their degree with First Class Honours who have been placed in the Honour List in all of the four Professional Examinations, and who have succeeded in obtaining First Class Honours in at least three out of the four. Those Candidates will receive their degree with Second Class Honours who have been placed in the Honour List in three out of the four Professional Examinations, and who have succeeded in obtaining First Class Honours in at least one Professional Examination.



Candidates for the Degree of M.B., who are likewise Graduates in Arts of the University, with Honours in the Department of Natural Science, will be considered as having passed their First Professional Examination with First Class Honours.

An Undergraduate in the Honour Course will not be allowed to degrade into a lower year except by special permission of the Senate, to be granted only in case of illness, duly certified, or for other grave reasons, or unless he intends to proceed to his Degree by the Pass Course.

In the list which follows, Text Books have been named after certain subjects to indicate the scope of the Examination; and as there are *separate* written and practical Examinations on each subject, special Text Books are recommended where necessary for the latter.

Subjects of the different Professional Examinations :

#### FIRST PROFESSIONAL EXAMINATION.

- (1) Anatomy of the Bones, Muscles, and Ligaments, and of the Viscera of the Abdomen and Thorax.
- (2) Elements of Inorganic Chemistry. Text Book. Miller's Text Book. (Longmans and Co.)
- (3) Elements of Natural Philosophy. Electricity. Heat and Light.
- (4) Elements of Botany : Including the Characters and Properties of the following Natural orders :

Ranunculaceae, Papaveraceae, Cruciferae, Caryophyllaceae, Malvaceae, Leguminosae, Rosaceae, Saxifragaceae, Onagraceae, Umbelliferae, Rubiaceae, Compositae, Ericaceae, Primulaceae, Scrophulariaceae, Labiatae, Solanaceae, Polygonaceae, Euphorbiaceae, Urticaceae, Amentaceae, Orchidaceae, Liliaceae, Palmae, Cyperaceae, Gramineae.

A further acquaintance with the noxious and medicinal plants of the Canadian Flora is expected.

Text Books.    } Thome's Text Book of Botany.  
                  } Bentham's Manual.

- (5) Elements of Zoology. Text Book. MacAllister's Animal Morphology.

\* Comparative Anatomy of Vertebrata. Text Book. Huxley's Manual of Anatomy of Vertebrates.

\* Practical Examination in Natural Philosophy.

Additional Text Books for practical work:

Chemistry—Bloxam's Laboratory Practice.

Biology—Huxley and Martin's Elements.

## SECOND PROFESSIONAL EXAMINATION.

- (1) Elements of Organic Chemistry. Armstrong's Text Book (Longmans & Co.)
- (2) Anatomy.
- (3) Physiology.
- (4) Materia Medica and Therapeutics.  
Text Books for Practical Examinations.  
For Histological Methods. Handbook for the Physiological Laboratory. (Brunton, Foster, &c., pp. 1-163.)  
For Physiological Chemistry. *Id.*, pp. 421-572. .  
\* Physiology of Muscle, Nerve, Circulation, &c. *Id.*, pp. 165-419.

## THIRD PROFESSIONAL EXAMINATION.

- (1) Practice of Medicine.
- (2) Surgery and Surgical Anatomy.
- (3) General Pathology, including Morbid Anatomy and the mode of conducting Autopsies.
- (4) Obstetrics and Diseases of Women and Children.
- (5) Clinical Examinations in Medicine and Surgery.  
Text Book for Pathological Histology. Rindfleisch.

## FOURTH PROFESSIONAL EXAMINATION.

- (1) Practice of Medicine.
- (2) Surgery.
- (3) Forensic Medicine.
- (4) Hygiene.
- (5) Medical Psychology.
- (6) Clinical Examinations in Medicine and Surgery.
- (7) Practical Examinations in Chemistry in its application to Forensic Medicine and Hygiene.

In all the Professional Examinations special importance will be attached to the practical part, and Candidates are desired to note that in every subject practical examinations will be given to the fullest extent possible.

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 DEGREE OF M.D.

The following are the requisites for admission to the Degree of M.D., viz. :—Having been admitted to the Degree of M.B., being of one year's standing from admission to the Degree of M.B., and having composed an approved Thesis upon some Medical Subject.

### DEGREES AD EUNDEM.

A Graduate of any of the Universities in Great Britain or Ireland may be admitted to the like Degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the Session of the Senate at which his application is to be brought forward.

### FEES FOR DEGREES.

For the Degree of M.B.....	Six Dollars.
For the Degree of M.D.....	Eight Dollars.
For admission <i>ad eundem gradum</i> ...	Ten Dollars.

### SCHOLARSHIPS.

The following Scholarships are annually offered for competition :

At Matriculation .....	one of \$100
“ .....	one of 50
At First Professional Examination.....	one of 120
“ .....	one of 80
At Second Professional Examination....	one of 120
“ .....	one of 80
At Third Professional Examination ....	one of 120
“ .....	one of 80

The First Year Scholarships are not open to Graduates in Arts with Honours in the Department of Natural Sciences.

Every Student taking a Scholarship is required to sign a declaration that it is his intention to pursue his Medical studies for one, two, three or four years, according to the year in which he has taken such Scholarship, and to proceed to a Degree in the University of Toronto, and that he is not an Undergraduate or Graduate in the Faculty of Medicine of any other University.

No Professional Scholarship will be awarded to any Candidate who has not obtained First Class Honours in the Examination for which it is conferred.

Each Scholarship is tenable for one year only, but the Scholar of one year is eligible for the Scholarship of a succeeding year.

The Scholarships or Medals are not open to those who are at the same time Undergraduates or Graduates in Medicine of another University.

## MEDALS, PRIZES, AND CERTIFICATES OF HONOUR.

A gold medal and three silver medals are offered annually for competition among the Undergraduates who have succeeded in obtaining the degree of M.B., with First Class Honours, and will be awarded according to the per-centage of marks in the aggregate results of the Second, Third, and Fourth Professional Examinations; but the Gold Medal will only be awarded on the special recommendation of the Examiners.

Prizes, each of the value of Ten Dollars in Books, may be awarded annually among Undergraduates in Law, Medicine, and Arts, for the best Composition in Greek Verse, Greek Prose, Latin Verse, Latin Prose, English Verse, English Prose, French Prose, or German Prose.

Certificates of Honour will be given to those Students who, at any of the Examinations, have been placed in the First Class in Honoris in any Department.

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## STARR MEDALS.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of the study of the subjects of Anatomy, Physiology and Pathology. In fulfilment of this object the Senate have established one gold and two silver medals, called the "Starr Medals." These medals are awarded annually at the University Commencement in June, and are conferred upon the three Bachelors of Medicine who have attained, in the course of their Annual Professional Examinations, the highest marks in the above subjects: the relative rank of each Candidate being determined by the aggregate number of his marks in all the examinations, written and practical, pertaining to these, viz. :—

- The Examinations in Anatomy for the first and second years, and Surgical Anatomy of the the third year.
- The Examinations in Physiology, Histology, Physioloigcal Chemistry, and Practical Physiology of the second year.
- The Examinations in General Pathology and in Morbid Anatomy and Histology of the third year.

Every recipient of the Medal must have attained the standing of First Class in each of the above-mentioned subjects, and must have been classed in Honours in the Fourth Professional Examination.

The Professional Examinations will be introduced gradually, viz. :  
First in 1879 ; Second in 1880 ; Third in 1881 ; Fourth in 1882.

At the Examinations of 1879, the Scholarships for the Second and Third Year, and the Medals ; and at the Examinations of 1880, the Scholarships of the Third Year, and the Medals ; and at the Examinations of 1881, the Medals will be awarded according to the Old Curriculum.



# University of Victoria College.

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## FACULTY OF MEDICINE.

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### COURSE OF STUDY.

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#### MATRICULATION.

English Grammar and Composition.

Arithmetic.

Algebra : through Simple Equations.

Geometry : Euclid, Books I. and II.

Latin : Grammar and Translation of any Latin author.

An option :

Greek.

French.

German.

Natural Philosophy.

#### PRIMARY EXAMINATIONS.

Descriptive Anatomy.

Physiology.

Materia Medica and Therapeutics.

Theoretical Chemistry.

Botany.

#### FINAL EXAMINATIONS.

Surgical Anatomy.

Practical Chemistry.

Principles and Practice of Surgery.

Principles and Practice of Medicine.

Midwifery and Diseases of Women and Children.

Medical Jurisprudence.

#### REGULATIONS AND ANNOUNCEMENTS.

DEGREE OF M.D.—Candidates for this degree are required to spend four years in professional study before being admitted to final examination.

Graduates in Arts will be admitted after three years of professional study subsequent to examination.

All candidates will furnish evidence of attendance upon Medical lectures, for three sessions of six months each, at the Toronto School of Medicine, the Ecole de Medicine et de Chirurgie, Montreal, or some school of standing recognized by the Board.

The lectures required are as follows :—

Descriptive Anatomy .....	2 courses
Practical Anatomy .....	"
Physiology .....	"
Theoretical Chemistry .....	"
Materia Medica and Therapeutics .....	"
Principles and Practice of Surgery .....	"
Principles and Practice of Medicine .....	"
Midwifery and Diseases of Women and Children .....	"
Clinical Medicine .....	"
Clinical Surgery .....	"
Medical Jurisprudence .....	1 course.
Practical Chemistry .....	"
Botany .....	"

They must spend six months in the office of a regularly qualified practitioner.

They must attend the practice of a General Hospital for eighteen months.

They must have attended six cases of Midwifery.

They must have passed the Matriculation and Primary Examination prescribed by the University.

They must be twenty-one years of age.

They must pass a satisfactory Final Examination, written or oral, on all the subjects of the curriculum, before the examiners appointed by the University.

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#### FEES.

Matriculation .....	\$5 00
Degree of M.D., including Primary and Final Examination..	20 00

# LECTURES.

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WINTER SESSION, 1880-81.

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## SURGERY.

DR. W. T. AIKINS.

Inflammation, Surgical Injuries, including Fractures, Dislocations, Injuries to the soft places, and gun-shot wounds. Amputations, Ligation of Arteries, Surgical Diseases, including Abscess, Ulcers, Gangrene, Erysipelas, Pyæmia, Tumours, Aneurisms, and Joint Diseases, Plastic Surgery, Hernia, Urinary Culculus.

Special attention will be paid to the practical parts of Surgery, comprising injuries and diseases which are most frequently met with in Canada. The Lectures will be illustrated by plates and specimens from the Museum of the School, and by operations on the Cadaver.

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## THEORY AND PRACTICE OF MEDICINE.

DR. H. H. WRIGHT.

This course will be divided into two parts, comprising General and Special Pathology.

The first part, consisting of Etiology, Nosology, Symptomatology, Pathology, Prophylaxis, Prognosis, and Treatment.

Second part—1st, General Diseases ; 2nd, Local Diseases.

Special attention will be paid to those diseases which are most frequently met with in Canada. The Lectures will be illustrated by plates and morbid specimens from the Museum of the School.



## DESCRIPTIVE AND SURGICAL ANATOMY.

DR. J. H. RICHARDSON AND DR. M. H. AIKINS.

A complete course on Descriptive and Surgical Anatomy will be given. All the various structures entering into the composition of the human frame will be exhibited and described, the Lectures being illustrated by freshly dissected specimens, dried and wet preparations, wax moulds, and diagrams.

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## MIDWIFERY.

DR. U. OGDEN.

Anatomy of the Female Pelvis and Fœtal Head ; Anatomy of Organs of Generation.

Menstruation ; Generation ; Pregnancy.

Signs of Pregnancy ; Diseases of Pregnancy.

Parturition. — I. Natural labour ; its general phenomena ; Mechanism of Labour ; Management of Natural Labour ; Anæsthetics.

The Puerperal State.

II. Unnatural Labour ; (a) From abnormal condition of the expulsive force ; (b) From abnormal condition of the uterus, soft parts, or bony pelvis. Treatment of these abnormal conditions. Use of forceps ; Craniotomy ; Turning.

III. Complex Labour ; Retained Placenta ; Uterine Hæmorrhage ; Puerperal Convulsions ; Puerperal Fever.

Diseases of Women : Will be illustrated as far as possible by his cases in the Hospital.

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## MATERIA MEDICA AND THERAPEUTICS.

DR. THORBURN.

All the important remedial agents will be discussed, comprising an account of (1) the Natural History ; (2) Mode of Preparation ordered in the British Pharmacopœia ; (3) Physical and Chemical properties, impurities, adulterations, and tests ; (4) Effects on the System in medicinal and poisonous doses ; their uses, and the diseases in which

they may be advantageously employed ; (5) Doses, mode of administration, incompatibles and antidotes.

The course will be illustrated by a collection of specimens.

## PHYSIOLOGY.

DR. M. BARRETT AND DR. A. H. WRIGHT.

Structural and Chemical Composition of the Body.

Tissues, Epithelium, Connective Tissue, Cartilage, and Bone.

Serous and Mucous Membranes.

Blood, Circulation of the Blood. The Heart, Arteries, Capillaries, and veins.

Respiration.

Digestion, Absorption, Glandular System, Nutrition, Animal Heat, Secretion and Excretion, Nervous System, Motion, Special Senses, Reproduction, Embryology, and Development.

## CHEMISTRY.

THOMAS HEYS, Esq.

GENERAL PRINCIPLES OF THE SCIENCE OF CHEMISTRY.—Laws of Chemical combination, the continuity of liquid and gaseous states, and Chemical nomenclature.

CHEMICAL PHYSICS.—The forces of Heat, Light, Electricity, and Magnetism.

CHEMISTRY OF THE NON-METALLIC elements, including their preparation and characteristic tests.

CHEMISTRY OF THE METALS.—Classification, and principal compounds of the metals with the non-metallic elements ; theory of salts.

ORGANIC CHEMISTRY.—The physical properties of organic bodies, the decomposition and transformations of the various groups, and preparation of those of medicinal importance.

## MEDICAL JURISPRUDENCE AND TOXICOLOGY.

DR. W. W. OGDEN.

HUMAN DEVELOPMENT AND DECAY.—Medical evidence derivable from these. Personal identity ; effects of *time* and *circumstances* with

means of determining. Marriage and divorce, with special physical and other conditions necessary to the validity of the former and required for the latter. Pregnancy, concealed and pretended; with means of determining. Delivery; signs of near and remote. Mental Alienation, including the various forms of diseased mind; with causes and means of averting. Rape; Infanticide; Homicide; Hanging Drowning; Mephitism, etc., etc.; Death by Starvation, by Heat and Cold; Lightning; Wounds before and after death; Burns, Scalds, etc., etc.

TOXICOLOGY.—Under the latter, poisons are grouped according to their effects, the general symptoms of various groups or classes, with general treatment, and also the special effects, if any, are brought out. An effort is made to simplify the study of the subject as much as possible, and render its acquirement a matter of comparative ease, and of *real interest* if not of delight.

## SANITARY SCIENCE.

DR. OLDRIGHT.

### IN ITS PHYSIOLOGICAL AND PATHOLOGICAL ASPECTS.

AIR: Impurities and effects, how caused and how obviated; modes of examination; Ventilation, disinfection and other modes of purification.

SEWAGE: Disposal and Utilization; dry, wet, and air methods; construction, ventilation, and cleansing of Sewers.

### CONTAGION AND INFECTION.

CLIMATOLOGY: Soils, Winds, Vegetation, Heat and Cold, Warming.

### HYGIENIC ARCHITECTURE. CLOTHING. BATHS.

WATER: Sources; varying Composition and Impurities; their effects: how removed and prevented; modes of examination.

FOODS: Comparative Values, Impurities—their effects, their detection.

### SLEEP. EXERCISE. OCCUPATION. MODE OF LIFE.

SANITARY LEGISLATION, present and prospective, of various countries.

## BOTANY AND ZOOLOGY.

HENRY MONTGOMERY, M.A., B. Sc.

The course in Botany will include the morphology, physiology and taxonomy of Phanerogams, with an outline of the structure and physiology of cryptogams. Students will be expected to examine carefully representatives of the principal Families of Flowering Plants.

The course in Zoology will include the more important Anatomical and Physiological characters of the various classes and orders of the entire Animal kingdom, special attention being given to the comparative Anatomy of the Vertebrata. Students are required to devote at least one-third the time to the dissection of typical Invertebrate and Vertebrate organisms.

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## OPHTHALMIC AND AURAL SURGERY.

DR. R. A. REEVE.

A short course of practical Lectures will be given on Diseases of the Eye and Ear, illustrated by cases at the Toronto General Hospital.

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## PRACTICAL ANATOMY.

DR. MCFARLANE AND DR. GEORGE WRIGHT.

The Demonstrators attend daily in the dissecting-room, for the purpose of directing students in their dissections; and examining them on dissected parts.

The Dissecting-room will be open daily from 9 A.M. to 6 P.M.

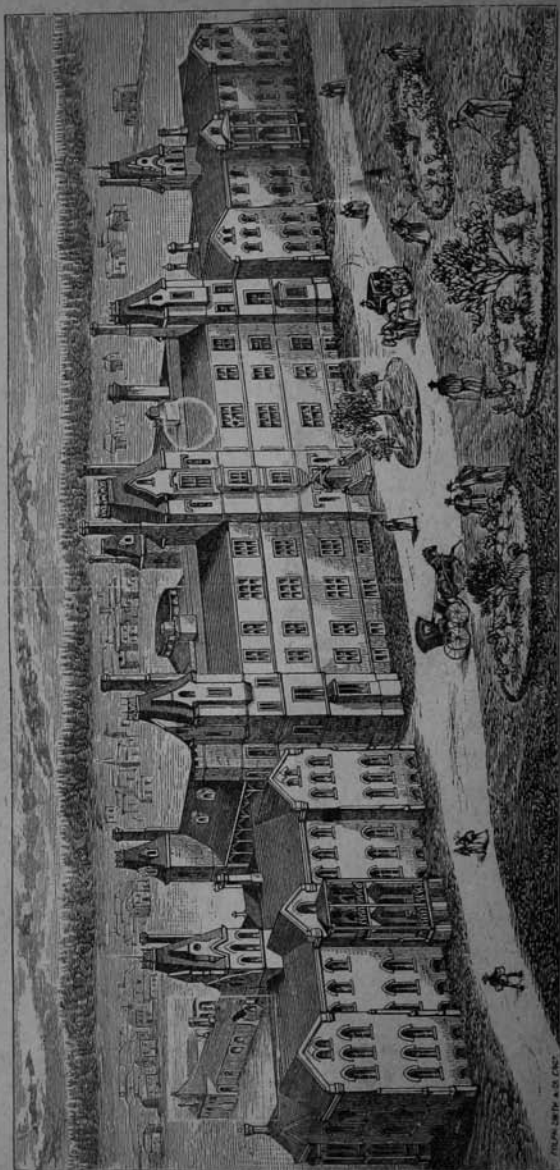
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## MICROSCOPICAL ANATOMY.

DR. ZIMMERMAN AND DR. F. H. WRIGHT.

This course will comprise demonstration of the various tissues, organs, and fluids of the body; instruction in the use of the microscope, demonstrations of the various Pathological conditions of the body; the use of the microscope in diagnosis of disease.





TORONTO GENERAL HOSPITAL.