# DALHOUSIE COLLEGE AND UNIVERSITY,

HALIFAX, NOVA SCOTIA.

# ANNUAL ANNOUNCEMENT

OF THE

# FACULTY OF MEDICINE,

FOR THE FOURTH SESSION, 1870-71.



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1870.

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# Dalhousie College and University.

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JAMES LIECHTI, Esq.

VERY R

Emeritus Profes

ALEXANDEI Professor of the

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WILLIAM ? Professor of O

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## Faculty of Medicine.

VERY Rev. JAMES ROSS, PRINCIPAL (ex-officio) AND MATRICULATION EXAMINER.

WILLIAM J. ALMON, M D.,

Emeritus Professor of Obstetries and the Diseases of Women and Children, and President of the Faculty.

ALEXANDER P. REID, M.D., LRC.S. EDIN, L.C.P. & S., Ca. Professor of the Principles and Practice of Medicine, and Dean and Registrar of the Faculty.

> GEORGE LAWSON, Ph. D., LL.D. Professor of Chemistry and Chemical Toxicology.

WILLIAM B. SLAYTER, M.D. M.R.U.S. L., L.R.C.P. Edin.
Professor of Obstetrics and the Diseases of Women and Children.

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> JOHN SOMMERS, M.D., Professor of Physiology.

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ALFRED H. WOODILL, M.D., Professor of Materia Medica and Therapeutics.

J. R. DE WOLF, M.D. EDIN., L.R.C.S. EDIN., and HIRAM BLANCHARD, Esq., Q. C., Professors of Medical Jurisprudence.

> THOS TRENAMAN, M.D., JOHN F. BLACK, M.D., Demonstrators of Anatomy.

JANITOR-JOHN WILSON.

# FOURTH SESSION, 1870-71.

THE Faculty of Medicine of Dalhousie College and University beg to announce that their Fourth Session will be of Six Months' duration, and that, having filled the vacant Chairs of Medicine, Surgery, and Medical Jurisprudence, and made all necessary arrangements, they will be enabled to offer every facility to Students for obtaining a good Medical Education.

After an experience of three years, the Faculty feel justified in saying that a necessity exists for the establishment of a full Medical School, to give systematic instruc-tion to the large number of Medical Students in Nova Scotia and the adjoining Provinces who have heretofore had few facilities for obtaining a thorough medical education, or of profitably occupying the three years nominally

Attention has thus far been devoted to the primary branches, with Clinical Medicine and Surgery, but the growing wants of the Province will not be satisfied with a short Session and restricted curriculum; hence, to satisfy this demand, the Faculty, with the advice and approval of the Board of Governors, have decided to inaugurate a full six months' term. It will be their aim to utilize all the advantages that exist in the city of Halifax—the Hospital, Dispensary, and Poors' Asylum, where a large number of patients are reated yearly, and every variety of disease illustrated. The best facilities will be furnished to Students for clinical observations under the direction of the Professors, Physical Diagnosis being specially attended to without extra fee. Faculty are bappy to announce that they have secured the valuable cooperation of H. Blanchard, Esq., Q.C., who will deliver a course of Lectures, in connection with Medical Jurisprudence, on the relations of the profession to Courts of Law. This is an innovation on the ordinary custom, but it is believed to be a necessary and progressive step. The qualifications for graduation are the same as those at Montreal and most British Schools.

The Faculty has entered into correspondence with the Home and Foreign Medical Schools and Examining Boards, to the end that the class tickets for the various

Courses shall be accepted by them.

Professors.

Demonstrators

President of the Dean and Regi Matriculation 1

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Registratio upon entranc always before fixed for closing of December. if not taken current session sie College and Fourth Session at, having filled by, and Medical angements, they tudents for ob-

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## FACULTY OF MEDICINE.

THE Fourth Session of the Medical Faculty of Dalhousic College and University will be opened on Tuesday, 1st November, 1870, with a general introductory lecture at 8 p.m. The regular lectures will commence on Wednesday, the 2nd November, and will be continued during the six months following.

Registration is necessary every Session—it is required upon entrance, or as soon afterwards as possible, and always before any class sickets are procured. The time fixed for closing the Register is annually on the fifteenth of December. Class tickets are payable in advance, and if not taken out within the prescribed period of the current session, will not be granted after its expiration.

The student is advised to pass the Matriculation Examination in March, so that his four years of pupilage may expire at the close of a winter session. This examination is recommended to be passed before the attendance of a Medical Course—it is similar to that required by McGill University, Montreal, the College of Physicians and Surgeons of Ontario, and recommended by the "Council of Medical Education and Registration" of Great Britain. The time set apart for this examination will be made known after the commencement of the Session. Graduates in Arts of recognized Universities are not required to submit to the Matriculation Examination.

While the University regulations permit a Student to graduate after three years attendance upon Lectures, provided he furnish proof that he has studied one year, before attending Lectures, with a private practitioner, yet he is recommended to devote four Sessions to Systematic Instruction, as less time is scarcely sufficient in which to acquire a fair knowledge of the many subjects which compose the curriculum.

N.B.—Stutents who have attended one of the three month sessions of this Faculty will be required to attend three six month sessions additional to qualify for graduation. (The summer session being received as equivalent to the "year with a preceptor."). Students who have attended two of the three-month sessions will be required to attend two six month sessions additional before graduating, so that the four years in time will be complied with. With regard to study two of the three month tiekets on any subject will be considered as equivalent to one of six months on the same subject. An equitable arrangement will be made with those Students who have taken out courses of three months, so that the class fees which have been paid will be credited in the six month course on the same subject.

With regard to the examination, students are requested

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to turn to Section 10, Article 4, of the "Qualifications and Studies of Students and Graduates for the Medical Degree," in a succeeding part of this announcement.

The division of the examination into primary and final, which was instituted by the McGill University, Montreal, and found to be most advantageous to Students, will be adopted by this Faculty; and it is hoped that the greater number of third year students will avail themselves of this arrangement.

Students of Dentistry will find it of advantage to attend the Lectures on Chemistry, Anatomy, and Practical Anatomy.

To intending Druggists' Assistants the Lectures on Chemistry and Materia Medica will be of great practical assistance.

Students of Law will be very much benefitted by attending the Lectures on Medical Jurisprudence by Dr. DeWolf, H. Blanchard, Esq., Q. C., and Dr. Lawson—the subjects of Insanity, Law as related to Medicine, and Toxicology, being fully explained.

are requested

# COURSE OF INSTRUCTION IN THE FACULTY OF MEDICINE.

The Lectures will be delivered in the University Building.

### I. OBSTETRICS.

Prof. Slayter, Surgeon to the City Hospital.

Including Diseases of Women and Children, illustrated by plates, manikins, &c. Every facility will be given to senior students for attending midwifery cases at the Almshouse and Dispensary, under the direction of the medical officers.

The Emeritus Professor, Dr. Almon, will also give a number of practical lectures.

Class Books—Bedford, Tyler Smith, Cazeau, Scanzoni on Dieases of Women—West on Children.

### II. - MEDICINE.

Prof. Reid, Physician to City Hospital.

Divided into Principles and Practice. This course will be illustrated by colored plates and morbid preparations, and special attention will be directed to discusse of the heart and lungs, and to their physical diagnosis, which will be illustrated by numerous cases in the City Hospital, under the immediate instruction of the Professor, and to which cases every student may have direct access—thus enabling him to obtain a practical knowledge of this part of the profession.

Class Books-Flint, Watson, Barlow, Reynolds.

Prof. Farrell, S. Divided into

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Class Books-

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Prof. Woodill,
This course wi

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cals, etc.

#### III. SURGERY.

Prof. Farrell, Surgeon to the City Hospital and Dispensary.

Divided into Principles and Practice, including Surgical and Anatomy and Operative Surgery, exhibited on the subject. The various surgical instruments and apparatus will be shown, and their uses and applications illustrated.

Class Books-Druitt, Erichesen, Gross, Holmes.

#### IV: CHEMISTRY.

Prof. Lawson.

Including Chemical Toxicology. This course will be illustrated by diagrams, tables, apparatus, preparations, and demonstrations on the blackboard. Experiments daily. There will likewise be a separate class of Practical Chemistry, in connection with the Faculty of Arts, to which medical students are admitted.

Class Book-Fownes' Manual.

#### V. PHYSIOLOGY.

Prof. Sommers, Attending Physician to City Dispensary.

This course will embrace the principles of Human Physiciangy, Histology, the use of the Microscope, and General Pathology.

Class Books—Dalton, Carpenter, Todd & Bowman, Kirke & Paget, and Williams' Principles of Medicine.

#### VI. MATERIA MEDICA.

Prof. Woodill, Visiting Physician to the City Dispensary.

This course will be illustrated by specimens of medicinal plants and samples of the various drugs, chemicals, etc.

Class Books—Pareira by Farre, Stille, Neligan, Dispensatories.

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#### VII. ANATOMY.

Prof. Gordon, Surgeon to the City Dispensary.

This course will be illustrated by the fresh subject—dried preparation—including skeletons, &c., and life-size colored plates. Every facility will be offered to students to become practically acquainted with Anatomy under the Professor and Demonstrators.

### PRACTICAL ANATOMY.

Thos. Trenaman, M. D., and John Black, M. D., Demonstrators.

Rooms open from 4 to 6, and from 8 to 10, p. m. Class Books—Gray, Wilson, Sharpey & Quain, Ellis' Dissector.

## VIII. MEDICAL JURISPRUDENCE.

Prof. De Wolf, Superintendent of the Hospital for Insane, Blanchard, Q. C.

This course includes Toxicology, the mode of testing for poisons, Insanity, and Public Hygiene.

Prof. De Wolf will have ample opportunities for instructing his class in the important subject of Psychological Medicine.

Prof. Blanchard will give a short course of lectures on the legal points connected with this branch of study.

Prof. Lawson will describe the subject of Chemical Toxicology.

Class Books—Taylor's Jurisprudence, Guy's Forensic Medicine.

# IX. CLINICAL MEDICINE. X. CLINICAL SURGERY.

Taught by lectures, and at the bedside, and Physical Diagnosis taught practically by the Physicians and Surgeons at the Provincial and City Hospital, and City Dispensary, at which institutions ample material is afforded for both classes.

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#### XI. BOTANY.

Prof. Lawson.

Students are required to attend one course of three months on this subject. Medical Students will have access to the lectures on Botany in the Faculty of Arts—the natural orders containing medicinal and poisonous plants, being illustrated as fully as possible.

#### PRIZES.

#### THE SIR WILLIAM YOUNG PRIZES.

These are offered by the Hon. Sir William Young, Knt., Chief Justice of Nova Scotia, to encourage the study of Practical Anatomy.

There are two prizes, of \$15 each, for the best Dissections. Particulars given at the commencement of the Session.

#### THE DR. AVERY PRIZES.

These are offered by James F. Avery, M. D., to encourage the study of Clinical Medicine.

There are two prizes of \$10 each for the best Clinical reports. Particulars given at the commencement of the Session.

Dispensary.

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### HOSPITALS, ETC.

The PROVINCIAL AND CITY HOSPITAL is visited daily at 12 M., by the Medical Officers, and the CITY ALMS House, containing from 200 to 400 patients, half of whom are usually in the Hospital wards, will be available to students without fee. The best opportunities are here presented for clinical instruction, midwifery practice and treatment of diseases, likewise for the observation of pathological appearances, which will be demonstrated by post-mortem examinations. There is a Hospital fee of \$1 for certificate of attendance.

The HALIFAX DISPENSARY is carried on after the model of the DeMilt Dispensary, New York, being divided into three departments, viz.: (1) Surgical, including the Eye and Ear. (2) Medical, including the Heart and Lungs; (3) Diseases of Women and Children. Here the Student can have the advantage of becoming practically acquainted with the less severe forms of disease, and will have the privilege likewise of seeing patients with the visiting physicians, and have opportunities for Obstetric practice.

## EXTRACTS FROM THE REGULATIONS.

Courses of Lectures, Fees, &c.

1st.—Each Professor shall deliver at least five Lectures during the week, except in the classes of Clinical Medicine and Clinical Surgery, in each of which only two Lectures shall be required; and in that of Medical Jurisprudence, if extended through six months, in which case three Lectures a week will suffice.

2nd .- Each Lecture shall be of one hour's duration. 3rd.—Every Professor shall occasionally examine his

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without Gradu quired to class upon the subjects treated of in his preceding Lectures; and every such examination shall be considered a Lecture.

4th.—A roll of the names of the Students attending each class shall be called from time to time.

5th.—All tickets which have not a Certificate of attendance attached, shall be rejected when presented as testimonials previous to examination, unless the omissions shall be satisfactorily accounted for.

6th.—The Fee for each class shall be \$12, with the following exceptions: for that of Medical Jurisprudence, \$6; for those of Clinical Medicine, Clinical Surgery, and Botany, there will be no fee the first year. The class fees are payable in advance.

7th.—Any student, after having paid the Fees, and attended two courses of any class, shall be entitled to a perpetual ticket for that class.

8th.—The courses of all the Classes, except those of Clinical Medicine, Clinical Surgery and Medical Jurisprudence, shall be of six months' duration; the classes of Clinical Medicine and of Clinical Surgery, of three months' duration; and that of Medical Jurisprudence, either of three months' duration, in which case Five Lectures a week shall be given, or of six months' duration, in which case only three Lectures a week shall be required.

9th.—The courses shall commence on the first Tuesday in November, and with the exception of a vacation at Christmas, shall continue to the end of April.

10th.—The Matriculation Examination is similar to that required by McGill University, Montreal, adopted under the Medical Act for Ontario, and recommended by the "Council of Medical Education and Registration" of Great Britain. The requirements are: Computsonx—English Language, including Grammar and Composition; Arithmetic, including Vulgar and Decimal Practions; Algebra, including Simple Equations; Geometry, first two books of Euclid; Latin, Translation and Grammar; and one of the following Optional Subjects—Greek, French, German; Natural Philosophy, including Mechanics, Hydrostatics, and Pnuematics. Students passing this examination will receive a certificate. Students may attend the classes without passing this examination

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Graduates in arts of recognized Universities are not required to submit to the matriculation examination.

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1st .- All Students desirous of attending the Medical Lectures, shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty, and procure from the Registrar a ticket of Matriculation, for which each Student will pay a fee of \$2.

2nd .- The said Register shall be closed on the 15th day of December in each year, and no tickets obtained from any of the Professors shall be received without previous

enregistration.

3rd .- No one shall be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not either: 1st, have attended Lectures for a period of at least four Sessions in this University, or some other University, College, or School of Medicine approved by this University; or 2nd, have studied Medicine during at least four years, and during that time have attended Lectures for a period of at least three Sessions, either in this University or some other University, College, or School of Medicine approved by this University.

4th.—Candidates for the final Examination shall furnish Testimonials of attendance on the following branches of

Of which two cour-

ses will be required,

each of six months'

duration.

Of which two Courses of three,

will be required for each.

or one of six months' duration,

Of which one Course will be

required, each of three months'

Medical Education, viz:

Anatomy,

Chemistry, Materia Medica and Pharmacy,

Physiology, Principles and Practice of Surgery, Obstetrics and Diseases of Women and

Children, Principles and Practice of Medicine,

Practical Anatomy,

Clinical Medicine, Clinical Surgery,

Medical Jurisprudence. Botany,

duration. Practical Chemistry, Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted

5th .- The Candidate must also give proof by ticket of having attended during twelve months the practice of the

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Provincial and City Hospital, or that of some other Hospital, approved by this University.

6th.—He must also give proof by ticket of having attended for at test six months the practise of a Lying-in-Hospital approved of by the University, or of having attended at least six cases of acconchment.

7th—No one shall be permitted to become a Candidate for examination, or shall receive a degree, who shall not have attended at least One Session of this University, and have obtained from it the tickets for one full Course of all the branches included in its curriculum.

8th.—Courses of less length than the above will only be received for the time over which they have extended.

9th.—Every Candidate for the degree must on or before the 15th day of March, present to the Dean of the Medical Faculty testimonials of his qualifications entitling him to examination, and also a Thesis or inaugural dissertation, written by himself, on some subject connected with Medical or Surgical Science. He must at the same time deliver to the Dean of the Faculty the following Certificate:

I the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years (or if the case be otherwise, that I shall have attained the age of twenty-one years before the next graduation day).

[Signed,]

A.B.

10th.—The trials to be undergone by the Candidate shall be:

(1.) The private examination of his Thesis as evidence both of Medical and general acquirement, followed [if approved] by its public defence.

(2.) A general written and oral examination on all the branches of Medical and Surgical Science.

(3.) The Clinical Professors shall conduct the examinations of their classes at the bedside, submitting to them cases for diagnosis and treatment in the wards of the Hospital; they shall also, in estimating the standard of members of their classes and the number of marks to be awarded, take into account the regularity of their attendance and the diligence and care they evince in reporting cases.

(4.) These examinations will be divided into primary

and final, the former comprehending the branches of Anatomy, Chemistry, Materia Medica, Physiology, and Botany or Zoology; the latter, those of Practice of Medicine, Surgery, Obstetrics, and Medical Jurisprudence. It will be optional with the student to present himself for the primary examination at the end of the third session or the third year.

(5.) The Fee for the Degree of Doctor of Medicine and Master of Surgery shall be twenty dollars, to be paid by the candidate before examination, together with a

Registration Fee of one dollar.

N. B.—Board may be obtained at from \$12 to \$15 per month.

### PAST SESSION.

The number of Students last Session was 26. Of these there were from Halifax, 9; Cape Breton, 5; Pictou, 3; Bridgetown, 2; and one each from Antigonish, Granville, Cornwallis, Dartmouth, Lunenburg, Prince Edward Island, and Ontario.

#### MEDICAL STUDENTS, 1870.

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Almon, Andrew U
Damahy Gideon
Beers, AlfredPrince Edward Island.
Don't T W
Bethune, JohnLoch Lomond, C. B.
Black, H. HHalifax.
Cameron, W. MPictou.
Chisholm, J. JAntigonish.
Cogswell, AHalifax.
Duff, W. MLunenburg.
Eaton, F. E,Granville.
Eaton, F. E,
Flinn, W. P
Hiltz, Charles WBridgetown.
Hunt, LewisDartmouth.
McDonald, HCape Breton.
McRae, William
McLennan, A. MCape Breton.
MacMillan, FinlayPictou.
Power, GHalifax.
Ritchie, John A
Robertson, Hugh APictou.
Ross, J. GSydney.
Rousselle, A. BruceHalifax.
Sinclair, George LHalifax.
Vaughen ThomasOntario.
Witt, George EBridgetown.