

## **Prospectus for session 1890-91 / School of Medicine for Women.**

### **Contributors**

University of Glasgow. Queen Margaret College.  
University of Glasgow. Library

### **Publication/Creation**

Glasgow : James MacLehose & Sons, 1890.

### **Persistent URL**

<https://wellcomecollection.org/works/xc6yyka9>

### **Provider**

University of Glasgow

### **License and attribution**

This material has been provided by This material has been provided by The University of Glasgow Library. The original may be consulted at The University of Glasgow Library. where the originals may be consulted. This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

Queen Margaret College.

---

SCHOOL OF MEDICINE  
FOR WOMEN.

---

PROSPECTUS FOR SESSION

1890-91.

GLASGOW:

JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET,

Publishers and Booksellers to the University.

1890.

*The Calendar of Queen Margaret College contains details of the Classes, subjects of study, etc., in the Arts Faculty of the College ; excerpts from the Articles of Association ; Regulations of the University of Glasgow for the Higher Examinations for Women ; and an Abstract of the Income and Expenditure of the College.*

*The Calendar is published by James MacLehose & Sons, 61 St. Vincent Street, Glasgow, price 6d., by post 8d.*

## CONTENTS.

	PAGE
Office-bearers of Queen Margaret College, - - - - -	5
Lecturers and Teachers, - - - - -	6
Royal Infirmary and Glasgow Maternity Hospital, - - - - -	6
School Sessions, - - - - -	7
Classes and Time Table, - - - - -	8
Syllabus of Lectures and Practical Work, viz.—	
Anatomy, - - - - -	9
Chemistry, - - - - -	10
Materia Medica and Therapeutics, - - - - -	12
Physiology, - - - - -	12
Practice of Medicine, - - - - -	13
Surgery, - - - - -	13
Midwifery and Gynæcology, - - - - -	13
Medical Jurisprudence, - - - - -	14
Pathology, - - - - -	15
Zoology, - - - - -	17
Botany, - - - - -	17
Fees for School and Hospitals, - - - - -	19
Fees for the various qualifications to practice now open to women,	20
Expenses of a Medical Education and Curriculum of Study, -	21
Appendix—	
Preliminary Examination in General Education, - - - - -	23
Regulations for the Triple Qualification of the Scottish Colleges,	25



Digitized by the Internet Archive  
in 2016

<https://archive.org/details/b249333715>



# Queen Margaret College, Glasgow.

---

## President.

H.R.H. PRINCESS LOUISE, MARCHIONESS OF LORNE.

## Vice-President.

MRS. CAMPBELL, of Tullichewan.

## Executive Council.

### *Elected by the College.*

PROFESSOR BRADLEY, The University.  
MRS. EDWARD CAIRD, The University.  
MRS. ARCHD. COATS, Woodside, Paisley.  
MRS. CAMPBELL DOUGLAS, 266 St. Vincent Street.  
MISS GALLOWAY, Queen Margaret College, Kelvinside.  
JAMES GRAHAME, 93 Hope Street.  
MISS KINNEAR, 10 Royal Terrace.

MRS. LINDSAY, 37 Westbourne Gardens.  
A. B. M'GRIGOR, LL.D., 19 Woodside Terrace.  
MRS. PARKER SMITH, Jordanhill.  
JOHN A. SPENS, 169 West George Street.  
PROFESSOR STEWART, D.D., 18 Annfield Terrace, W., Partickhill.  
PROFESSOR VEITCH, LL.D., The University.  
MRS. E. L. YOUNG, 38 Sardinia Terrace.

### *Elected by the Executive Council of the College.*

FREDERICK LAING, 34 Sardinia Terrace.  
WM. SMART, M.A., Nunholm, Dowanhill.

### *Appointed by the Senate of the University of Glasgow.*

PROFESSOR E. CAIRD, LL.D.  
PROFESSOR YOUNG, M.D.

### *Appointed by the School Board of Glasgow.*

JOHN MORISON, 11 Burnbank Gardens.

### *Appointed by the Merchants' House of Glasgow.*

ROBERT KING, 115 Wellington Street.

## Honorary Treasurers.

CHAS. GAIRDNER, Union Bank of Scotland.  
MRS. CAMPBELL DOUGLAS, 266 St. Vincent Street. (*Acting.*)

## Honorary Secretaries.

JAMES GRAHAME, of Auldhouse, 93 Hope Street.  
MISS GALLOWAY, Queen Margaret College, Kelvinside. (*Acting.*)

## Honorary Secretary for the Correspondence Classes.

MRS. ROBERT JARDINE, 44 Kelvingrove Street.

## Law Agents.

MACLAY, MURRAY & SPENS, 169 West George Street.

## Bankers.

UNION BANK OF SCOTLAND.

## Auditor.

ROBERT BLYTH, C.A., 115 St. Vincent Street.

## LECTURERS AND TEACHERS.

<i>Anatomy and Practical</i>	}	THOMAS H. BRYCE, M.A., M.B., C.M.
<i>Anatomy, - - -</i>		
<i>Chemistry and Practical</i>	}	G. G. HENDERSON, M.A., D.Sc.
<i>Chemistry, - - -</i>		
<i>Materia Medica and</i>	}	C. O. HAWTHORNE, M.B., C.M.
<i>Therapeutics, - - -</i>		
<i>Physiology and Practical</i>	}	J. M'GREGOR-ROBERTSON, M.A., M.B., C.M.
<i>Physiology, - - -</i>		
<i>Medicine, - - -</i>	}	J. WALLACE ANDERSON, M.D.
<i>Clinical Medicine, - - -</i>		
<i>Surgery, - - -</i>	}	W. J. FLEMING, M.D.
<i>Clinical Surgery, - - -</i>		
<i>Obstetrics and Gynæcology,</i>		MURDOCH CAMERON, M.D.
<i>Medical Jurisprudence, -</i>		DONALD MUNRO, M.D.
<i>Pathology, - - -</i>		JOHN LINDSAY STEVEN, M.D.
<i>Zoology, - - -</i>		PROFESSOR YOUNG, M.D.
<i>Botany, - - -</i>		B. G. CORMACK, M.A., B.Sc.

## ROYAL INFIRMARY.

This Hospital contains 584 beds for medical and surgical patients, of which 110 are set aside for clinical instruction for women only. There is also a largely attended out-patient department, and special clinics for ear, throat, eye, etc.

## GLASGOW MATERNITY HOSPITAL.

Cases may be attended in connection with the above Institution, which has over 2000 cases annually.



## SCHOOL SESSIONS.

The Winter Session will begin on Tuesday, 21st October, 1890, and will close on Friday, 27th March, 1891.

The Summer Session will be opened on 1st May, and will close on 24th July, 1891.

Attendance will be given in the Secretary's office daily (except Saturdays) from 11 till 4, on and after 15th October, for the enrolment of Students. Notice of intended enrolments can be sent to the Secretary, in writing, at any time previous to 15th October. After 1st November, the Secretary may be seen in the office daily, during the Winter Session, from 10.30 till 5.30, except on Saturdays, when the office closes at 1 p.m.

Each Student shall pay yearly, at the beginning of the Winter Session, a Matriculation Fee of 5/.

All the Class Fees must be paid in advance—the fees for the Winter Session between 15th October and 15th November, and for the Summer Session between 25th April and 18th May.

For the Curriculum of Study which must be followed by Students who wish to take the Triple Qualification of the Scottish Colleges, see page 25. Each Student entering on this course of study must have previously passed the Preliminary Examination, and be registered in the books of the General Medical Council as a Medical Student (see page 23).

---

## CLASSES IN THE SCHOOL OF MEDICINE.

The Curriculum embraces the Classes of Anatomy, Practice of Medicine, Clinical Medicine, Surgery, Clinical Surgery, Midwifery and Gynæcology, Chemistry, Materia Medica, Institutes of Medicine (or Physiology and Histology), Medical Jurisprudence, and Pathology, on all of which attendance is required for the Licence of the Corporations; and Natural History and Botany, which must also be attended by candidates for a University Degree.



## TIME TABLE.—SCHOOL.

The Classes of the Medical School will meet as follows, daily, unless otherwise arranged :—

## WINTER SESSION.

<i>Junior Anatomy,</i>	. . .	11 a.m.
<i>Senior Anatomy,</i>	. . .	2 p.m.
<i>Practical Anatomy,</i>	. . .	9 a.m. to 4 p.m.
<i>Chemistry,</i>	. . .	12 noon.
<i>Practical Chemistry,</i>	. . .	Wed., 2 to 5 p.m.; Sat., 10 a.m. to 1 p.m.
<i>Physiology, including His-</i>	} . . .	3 p.m.
<i>tology and Practical</i>		
<i>Physiology,</i>	. . .	
<i>Practice of Medicine,</i>	. . .	—
<i>Surgery,</i>	. . .	—
<i>Zoology,</i>	. . .	Mon., Wed., Thurs., 3 p.m.
<i>Obstetrics and Gynæcology,</i>	. . .	12 noon.
<i>Pathology,*</i>	. . .	8.30 a.m.
<i>Medical Jurisprudence,</i>	. . .	Mon., Wed., Fri., 4 p.m.

## SUMMER SESSION.

<i>Anatomy,</i>	. . .	11 a.m.
<i>Practical Anatomy,</i>	. . .	9 a.m. to 4 p.m.
<i>Practical Pharmacy and</i>	} . . .	12 noon.
<i>Dispensing,</i>		
<i>Practical Pathology,*</i>	. . .	Hour to be afterwards arranged.
<i>Botany,</i>	. . .	3 p.m.

## HOSPITAL.

Royal Infirmary. Hours of Visit—Surgical, 9 A.M.; Medical, 10 A.M.  
Clinical Lectures by Dr. J. WALLACE ANDERSON and Dr. W. J. FLEMING.

\* The Lectures on Pathology are delivered in the Medical Lecture Room of the Royal Infirmary.

## Syllabus of Lectures.

---

### ANATOMY.

Lecturer and Demonstrator—THOMAS H. BRYCE, M.A., M.B.,  
C.M.

### WINTER SESSION.

Two Courses of 100 Lectures each will be given.

#### I. *Lectures for Junior Students.*

The structure of the human body will be studied systematically, in the following order:—

1. The Bones.
2. The Joints and Ligaments.
3. The Muscles and Fasciæ.
4. General Sketch of the Vascular and Nervous Systems.

The course will be illustrated by preparations and dissections brought into the lecture room.

#### II. *Lectures for Senior Students on Regional Anatomy.*

This course will take the form of a series of demonstrations on recent dissections. Special attention will be given to the Anatomy—Macroscopic and Microscopic—of the Thoracic and Abdominal Viscera, and lectures will be given on the Brain, Spinal Cord, and Cranial Nerves.



The bearings of Anatomy on Surgery and Medicine will be specially emphasised.

Text-Books :—Quain's Anatomy ; Professor Turner's Introduction to Human Anatomy. For practical work, Professor Cleland's Guide to Dissection ; and Ellis', Heath's, or Cunningham's Dissector's Guide.

#### SUMMER SESSION.

During the summer session a series of demonstrations on special subjects will be conducted.

---

#### PRACTICAL ANATOMY.

The Dissecting Room will be open from 9 a.m. till 4 p.m.—on Saturdays 9 a.m. till 12 noon—under the personal superintendence of Dr. Bryce.

---

#### CHEMISTRY.

Lecturer—G. G. HENDERSON, D.Sc., M.A., F.I.C.

The course of instruction in Chemistry consists of lectures, and practical work in the chemical laboratory.

The lectures will be given daily except Saturdays, from 12 noon to 1 p.m., and the laboratory will be open on Wednesdays from 2 p.m. to 5 p.m., and Saturdays from 10 a.m. to 1 p.m.

During Session 1890-91 lectures will be given on the general principles of chemistry, inorganic chemistry, and the elements of organic chemistry. The first fifty lectures will deal with general principles and with the chief non-metallic and metallic elements, and their more important compounds. The second fifty lectures will be devoted partly to chemical theory and inorganic chemistry and partly to a description of some important groups of organic compounds. The following is an outline of the lecture course :—

#### INORGANIC CHEMISTRY.

Differences between mechanical mixture, solution, and chemical



combination. Chemical changes. Differences between elementary and compound substances. Laws of chemical combination. Equivalent weights of the elements. The atomic theory. Quantivalence. Molecules and molecular weights. Avogadro's hypothesis. Chemical nomenclature and notation.

*Oxygen.* Ozone. Classification of oxides. Oxidation and reduction.

*Hydrogen.* Water. Peroxide of hydrogen.

*Nitrogen.* The atmosphere. Ammonia. Ammonium salts. Oxides of Nitrogen. Nitric acid and nitrates.

*Carbon.* Carbonic oxide and dioxide. Carbonates. Coal gas. Flame. Davy Lamp.

*Chlorine.* *Bromine.* *Iodine.* *Fluorine.* Their compounds with hydrogen. Chlorates and hypochlorites.

*Sulphur.* Sulphuretted hydrogen. Oxides of sulphur. Sulphurous and sulphuric acids and their salts.

*Phosphorus.* Oxides of Phosphorus. Phosphoric acid and phosphates. Chlorides of phosphorus. Phosphoretted hydrogen.

*Arsenic.* Oxides of arsenic. Arseniuretted hydrogen. *Antimony.* Oxides, sulphides, and chlorides of antimony. Antimoniuretted hydrogen.

*Silicon.* Silica and the silicates. *Boron.* Boric acid and borates.

Potassium. Sodium. Silver. Calcium. Strontium. Barium. Aluminium. Magnesium. Zinc. Cadmium. Lead. Manganese. Iron. Cobalt. Nickel. Chromium. Bismuth. Copper. Mercury. Gold. Tin. Platinum.

The chief compounds of these metals with the more important acid radicals.

## ORGANIC CHEMISTRY.

Principles of ultimate analysis. Compound Radicals. Homologous series. Classification of carbon compounds. Hydrocarbons.

Starches and Sugars. Fermentation. Wine, Beer, Bread, etc. Alcohol, ether, acetic acid, and their homologues.

Principal vegetable acids.

Glycerines. Oils and Fats. Saponification.

Derivatives of ammonia. Chief natural organic bases.

Cyanogen group. Urea. Uric acid.

Chief constituents of animal and vegetable organisms.

A class of Practical Chemistry for Medical Students will be held on Wednesdays from 2 to 4, and Saturdays from 10 to 12.



## MATERIA MEDICA AND THERAPEUTICS.

Lecturer—C. O. HAWTHORNE, M.B., C.M.

(Dispensary Physician and Clinical Assistant, Glasgow Western Infirmary).

The Winter Course will be mainly occupied by the discussion of the Physiological actions and Therapeutic uses of the various drugs used in the treatment of disease. The employment of heat, cold, electricity, etc., etc., for Therapeutic purposes, will also be considered ; and there will be systematic demonstrations of the various articles of the Materia Medica.

During the Summer Session lectures will be given on the official Galenical preparations, and students will be practically instructed in the compounding and dispensing of medicines.

Students are recommended to attend the practical class in the summer preceding their attendance upon the Winter Course.

## PHYSIOLOGY.

Lecturer—J. M'GREGOR-ROBERTSON, M.A., M.B., C.M.

This course will consist partly of systematic lectures, partly of practical work, and will include two main divisions.

I. The Physiology of Nutrition, comprising the functions of nutrition proper, assimilation and absorption, circulation of the blood, respiration, secretion and excretion. As a preliminary to this part, some time will be devoted to the general physiology of the tissues, including their histology and chemistry, instruction in the latter being carried on in the practical class, the students being supplied with microscopes and chemical re-agents. The practical instruction will enable the student to become familiarised with modern methods of preparing and mounting tissues for microscopical examination, and with the chief methods of analysing the principal fluids of the body, and with the apparatus and methods of observing and recording physiological phenomena.

II. The Physiology of Innervation, of the Senses, and of Reproduction. In the practical work referred to, the histology of nervous tissue and of the central nervous organs and the sense organs will be included.



Arrangements will be made to enable any who do not desire the full course of instruction necessary for medical students to attend either the lectures devoted to the physiology of nutrition or those devoted to the physiology of innervation and the senses. In such cases attendance on the practical class will be optional.

In the course of lectures on the Physiology of Nutrition the practical bearing on health of physiological facts and laws will be subjects for careful consideration.

Oral and Written Examinations will be held regularly throughout the session.

Fee for the full course (which includes practical work),	£4	4	0
Fee for the course of lectures on I. or II. only, -	2	2	0
Fee for the course of lectures on I. or II. only, with practical instruction, - - - - -	3	3	0

## PRACTICE OF MEDICINE.

Lecturer—J. WALLACE ANDERSON, M.D.

During the ensuing Winter Session the work of the class will be carried on according to the following plan, viz.:—

The Nature and Cause of Disease. General Diseased Conditions. The commoner Fevers as illustrating general disease. Diseases of the various Systems beginning with those of the Nervous System.

TEXT BOOK. Bristowe's *Practice of Medicine*.

## SURGERY.

Lecturer—W. JAS. FLEMING, M.D.

(Surgeon, Royal Infirmary; Examiner in Surgery, Glasgow University).

TEXT BOOK. Walsham's *Practice of Surgery* (Churchill).

## MIDWIFERY AND GYNÆCOLOGY.

Lecturer—MURDOCH CAMERON, M.D., F.F.P.S.G.

(Obstetric Physician to the Glasgow Maternity Hospital).

*Midwifery.* The Pelvis. Female Organs of Generation, Menstru-



ation and Conception. Development of the Ovum, Embryo and Fœtus. Signs and duration of Pregnancy. Extra-uterine Pregnancy. Abnormal Development. Diseases of Pregnancy. Labour and its Phenomena. Management of Natural Labour. The Mechanism of Labour. Face Presentations. Pelvic Presentations. Transverse and complicated Presentations. Premature Expulsion of the Ovum. Hæmorrhage. Inversion of the Uterus. Rupture of the Uterus. Deformities of the Pelvis. Forceps, etc. Turning. Embryotomy. Cæsarian Section, etc. Induction of Premature Labour. Obstructed Labour. Uterine Inertia. The Puerperal State. Lactation. The Newly-born Child. Phlegmasia Dolens. Puerperal Insanity. Eclampsia. Puerperal Fever, etc.

*Diseases of Women.* Physical Diagnosis. Malformations. Displacements. Diseases of Uterus and Ovaries. Diseases of Fallopian Tubes, Uterine Ligaments, and adjacent Peritoneum and Cellular Tissue. Diseases of the Vagina and Vulva. Functional and Symptomatic Disorders.

*Practical Midwifery.* Students can attend cases in connection with the Maternity Hospital.

---

## MEDICAL JURISPRUDENCE.

Lecturer—DONALD MUNRO, M.D.

The lectures on Medical Jurisprudence are intended to elucidate the application of all the branches of Medical Science to Judicial and Legislative purposes, and embrace the discussion of the following subjects in their medico-legal aspects, viz. :—

The Identity of the Person.

Signs of Death.

Questions relating to the time which has elapsed since Death.

Death from Disease.

„ Lightning.

„ Cold.

„ Starvation.

Burning in relation to Judicial Proceedings.

Questions relating to Poisoning.

Death by means which arrest the Respiration—Drowning, Hanging, Strangling, Suffocation.



Injuries from other kinds of External Violence, in the Living, and in the Dead.

Questions relating to the Sexual Functions—Rape, Impotence, Sterility, Doubtful Sex, Signs of Pregnancy, Duration of Pregnancy, Superfoetation, Signs of Delivery, Abortion, Infanticide.

Questions relating to the Sanity and Responsibility of the Individual. Duties of the Medical Practitioner in relation to Judicial Proceedings.

Oral and Written Examinations will be held during the course of the Session, and facilities will be afforded in the Laboratory for Students making themselves practically familiar with the methods adopted for the detection of the more common poisons and the examination of blood and other stains.

TEXT-BOOK. *Principles of Forensic Medicine*, by Guy and Ferrier.

The lectures will be delivered on Monday, Wednesday and Friday of each week during the Winter Session, at Four o'clock p.m.

---

### PATHOLOGY.

Lecturer—JOHN LINDSAY STEVEN, M.D., F.F.P.S.G.

(Pathologist and Assistant Physician, Glasgow Royal Infirmary).

The class of Pathology comprises a combined course of Systematic Lectures and of Practical Laboratory Work. The Systematic Lectures are delivered during the Winter Session, and the Practical Class meets in Summer. The student cannot enter for the two courses separately, but may begin Pathological study with either class. The class meets in the Pathological Department of the Royal Infirmary.

The first part of the course of Systematic Lectures is devoted to the discussion of the General Principles of Pathology, involving a consideration and description of constitutional diseases and of those morbid processes, which, though special



as affecting individual organs, are general in the sense that they are fundamentally the same wherever they occur, being modified simply by their environment. Following this plan, the subject matter of the lectures is discussed under the following headings, viz. :—

1. Derangements of the Circulation of the Blood, and the resulting lesions.
2. The Pathology of Inflammation.
3. The causes and varieties of Infiltrations and Degenerations.
4. The general principles of Tumour-formation, with an outline of the classification of Neoplasms.
5. The Pathology of Parasitic Diseases, including a general discussion of the influence of Pathogenic Micro-organisms in the production of disease, and of the more common diseases caused by Bacteria.
6. Special Pathology of individual Organs and Tissues. This part of the course is varied from session to session according to the time at the disposal of the Lecturer.

During the Winter Session regular Class Demonstrations are given on specimens obtained in the *post-mortem* room, and the lectures are illustrated by specimens from the Museum and by diagrams.

In the Summer Session instruction in Practical Pathology is given in the *post-mortem* room and Pathological Laboratory of the Royal Infirmary, and is embraced under the following headings :—

1. The performance of *Post-mortem* Examinations, and the study of the naked eye appearances of diseased parts.
2. The selection and preparation of Morbid Tissues for Section-cutting.
3. Section-cutting and Staining of Microscopic Sections.
4. The examination and collection of a series of Pathological Sections.

Written and Practical Class Examinations are held during the Winter and Summer Sessions. To Senior Students, who have completed their Pathological course, Dr. Steven will be glad to afford facilities for original histological work in the Laboratory.



SYSTEMATIC TEXT-BOOKS. *A Manual of Pathology*, by Joseph Coats, M.D., 2nd edition; *A Manual of Pathological Histology*, by Cornil and Ranvier, 2nd edition, translated by A. M. Hart; *A Text Book of Pathology, Systematic and Practical*, by D. J. Hamilton, M.B.

PRACTICAL TEXT-BOOK. *Practical Pathology*, an introduction to the practical study of Morbid Anatomy and Histology, by John Lindsay Steven, M.D.

Fee for Combined Course, £3 3s.

### ZOOLOGY.

The fifty meetings of the Class will be divided between demonstrations and lectures.

The meetings will be held at 3 p.m. on Mondays, Wednesdays, and Fridays, beginning 22nd October.

Besides describing the plan of structure in each sub kingdom, certain groups of animals (this session "Insects and Birds") will be more fully illustrated.

TEXT BOOKS. Rolleston's *Forms of Animal Life*, ed. H. Jackson; Claus' *Zoology*, Sedgwick's Translation; Huxley's *Vertebrates and Invertebrates*. For practical work, besides Rolleston, may be mentioned the works of Huxley and Martin, of Marshall and Hurst, and of T. Jeffery Parker.

### BOTANY.

Lecturer—B. G. CORMACK, M.A., B.Sc.

The Lectures on this subject will treat of the following:—

#### I. ANGIOSPERMS.

##### EXTERNAL MORPHOLOGY.

#### A. The Vegetative Organs.

##### I. *The shoot.*

- (a) *The stem*; its modifications and their functions.
- (b) *The leaf*; its three categories; its various shapes and modifications with corresponding functions.
- (c) *The emergence and the hair.*

- II. *The root* : the primary root ; lateral roots and their arrangement ; adventitious roots ; root-hairs.
- B. Special modifications of organs to subserve the function of vegetative reproduction ; vegetative reproduction, natural, and artificially induced.
- C. The morphology of organs subserving sexual reproduction.
  - I. Inflorescences ; bracts.
  - II. The flower ; comparison and contrast with the vegetative bud.
  - III. Sporangia ; their position and arrangement.
  - IV. Fruits.
- D. Classification of the angiosperms.

#### HISTOLOGY.

The cell ; its structure, composition, and chief contents.  
 The various developments of cells ; the tissues thus formed.  
 The minute structure and development of root and shoot.  
 The functions of the various tissues : mechanical and physiological.  
 The minute structure and development of flower, fruit, and seed,  
 Adaptations to secure fertilization and seed distribution.

#### PHYSIOLOGY.

The food of plants ; organs which absorb it ; parasitism.  
 Movements of water and gases in plants.  
 Conversion by the plant of inorganic matter into organic ; the changes undergone in the plant by organic matter.  
 The external conditions under which these changes are possible.  
 The uses to which the products are put by man.  
 Vegetable growth.  
 Movements of plants.

### II. GYMNOSPERMS AND CRYPTOGAMS.

Corresponding treatment of the external morphology, histology and life history of the following plants :—*Pinus*, *Selaginella*, *Aspidium*, *Polytrichum*, *Marchantia*, *Polysiphonia*, *Fucus*, *Agaricus*, *Puccinia*, *Eurotium*, *Parmelia*, *Claviceps*, *Vaucheria*, *Phytophthora*, *Mucor*, *Spirogyra*, *Œthelium*, *Bacterium*.



## SCHOOL FEES.

The Courses of Zoology, Botany, and Medical Jurisprudence comprise 50 meetings of the Class. Lectures on the other subjects during the Winter Session extend to 100 meetings of the Class. Courses delivered during the Summer Session, on all subjects, extend to 50 meetings only.

## WINTER SESSION.

Zoology,	-	-	-	-	-	-	£3	3	0†
Anatomy, Junior,	-	-	-	-	-	-	3	3	0*
Anatomy, Senior,	-	-	-	-	-	-	3	3	0*
Practical Anatomy,	-	-	-	-	-	-	3	3	0
Chemistry,	-	-	-	-	-	-	3	3	0†
Practical Chemistry,	-	-	-	-	-	-	3	3	0
Chemical Laboratory,	-	-	-	-	-	£2 2 0 to	5	5	0
Materia Medica and Therapeutics,	-	-	-	-	-	-	3	3	0*
Physiology and Histology,	-	-	-	-	-	-	4	4	0
Practice of Medicine,	-	-	-	-	-	-	3	3	0*
Clinical Medicine,	} see Hospital.								
Clinical Surgery,									
Surgery,	-	-	-	-	-	-	3	3	0*
Midwifery,	-	-	-	-	-	-	3	3	0
Medical Jurisprudence,	-	-	-	-	-	-	3	3	0
Pathology and Practical Pathology,	-	-	-	-	-	-	3	3	0

## SUMMER SESSION.

Anatomy,	}	-	-	-	-	-	2	2	0*
Practical Anatomy,		-	-	-	-	-	-	-	-
Practical Materia Medica,	-	-	-	-	-	-	3	3	0
Clinical Medicine,	}	} see Hospital.							
Clinical Surgery,									
Practice of Medicine,	}	} see Hospital.							
Practical Pathology,									
Botany,	-	-	-	-	-	-	£3	3	0
Botanical Laboratory,	-	-	-	-	-	-	2	2	0

\* Fee for a Second Session, £2 2/; for a Third Session, £1 1/.

† Fee for a Second Session £2 2/.

## HOSPITAL FEES.

Every Student paying at the commencement of her first year of Hospital attendance a fee of £10 10s., will be entitled



to admission to the Infirmary, and also to attend Courses of Clinical Instruction during the winter and summer of that year.

Every Student who has thus paid £10 10s., and shall at the commencement of her second year of Hospital attendance pay a further fee of £10 10s., will have the privilege of admission to the Infirmary, and to the several Courses of Clinical Instruction during her lifetime.

Fee for Hospital Attendance and Clinical Instruction for 6 months only, £6 6s.

Fee for Hospital Attendance and Clinical Instruction for 3 months only, £4 4s.

---

### GLASGOW MATERNITY HOSPITAL.

Fee, £1 1s. Rules on application to the Secretary, ARTHUR FORBES, 146 Buchanan Street.

---

### FEES FOR THE VARIOUS QUALIFICATIONS TO PRACTICE NOW OPEN TO WOMEN.

Licence in Medicine, Surgery, and Midwifery, Apothecaries' Hall, London, - - - - -	£10 10 0
Licence of College of Physicians and College of Surgeons, Edinburgh, and Faculty of Physicians and Surgeons, Glasgow (Triple Qualification), - - - - -	26 5 0
Diplomas of Conjoint Colleges of Physicians and Surgeons, Ireland, in Medicine, Midwifery, and Surgery, - - - - -	42 0 0
Fellowship of R.C.S.I., - - - - -	26 0 0
M.B. and B.S. Degrees of University of London, - - - - -	20 0 0
M.D. and M.S. „ „ „ - - - - -	10 0 0
M.B. of University of Ireland, - - - - -	6 0 0
M.D. and M. Ch. of Royal University of Ireland, - - - - -	10 0 0

Holder of any of the above are legally qualified to be placed on the Medical Register. Additional qualifications in Sanitary Science are open to women, but are not compulsory for Registration.

## EXPENSES OF A MEDICAL EDUCATION AND CURRICULUM OF STUDY.

The Class and Hospital Fees, including the regular subjects of a Four or Five Years' Course of Study and Clinical work, will amount to about £80.

To this may be added for supplementary subjects, including Diseases of the Eye, Mental Diseases, etc., an additional sum of from £10 to £20 ; also the fees of the examining bodies, as on page 20.

The Curriculum and yearly fees are as follows :—

### FIRST YEAR.—*Winter Session—*

Anatomy, - - - -	£3	3	0
Practical Anatomy, - -	3	3	0
Chemistry, - - - -	3	3	0
Practical Chemistry, - -	3	3	0
Zoology, - - - -	3	3	0
	<hr/>		
		£15	15 0

### *Summer Session—*

Anatomy and Practical Ana-			
tomy, - - - -	£2	2	0
Botany, - - - -	3	3	0
	<hr/>		
		5	5 0
	<hr/>		
		£21	0 0

### SECOND YEAR.—*Winter Session—*

Anatomy, - - - -	£2	2	0
Practical Anatomy, - -	3	3	0
Physiology and Histology,			
and Practical Physiology,	4	4	0
Surgery, - - - -	3	3	0
(Hospital optional.)	<hr/>		
		£12	12 0

### *Summer Session—*

Practical Pharmacy and			
Dispensing, - - - -	£3	3	0
Anatomy and Practical Ana-			
tomy, - - - -	2	2	0
	<hr/>		
		5	5 0
(Hospital optional.)	<hr/>		
		£17	17 0



THIRD YEAR.—*Winter Session*—

Practice of Medicine, - -	£3	3	0
Practical Anatomy, - -	3	3	0
Materia Medica and Thera-			
peutics, - - - -	3	3	0
Pathology, - - - -	3	3	0
Clinical Surgery (see Hospital).			
	£12	12	0

*Summer Session*—

Practical Pathology, }  
 Clinical Medicine, } (see Hospital).

*Hospital Fee for year, - - -	10	10	0
	£23	2	0

FOURTH YEAR.—*Winter Session*—

Midwifery and Diseases of			
Women and Children, -	£3	3	0
Medical Jurisprudence, -	3	3	0
Surgery or Clinical Surgery,			
Practice of Medicine or			
Clinical Medicine (see Hospital).			
	£6	6	0

*Summer Session*—

Practical Midwifery (see below).

Operative Surgery (see Hospital).

Vaccination (see Hospital).

Hospital Fee, final, for Perpetual Ticket,	10	10	0
Maternity Hospital Fee, - - -	1	1	0

---

 17 17 0

## FIFTH YEAR.—Clinical and Practical work in Hospital.

(Until 1892, this year's work is not compulsory for  
 the Triple Qualification, see page 25.)

---

 £79 16 0

\*If a Student enters the Hospital for Clinical work before her third year, the Hospital Fee for the first year's attendance there must be paid at the time of entry.

## APPENDIX.

PRELIMINARY EXAMINATION IN GENERAL EDUCATION, AND  
REGISTRATION OF MEDICAL STUDENTS BY THE  
GENERAL COUNCIL.

No person shall be allowed to be registered as a Medical Student unless he or she shall have previously passed a Preliminary Examination in the subjects of General Education as specified in the following list:—

- (1.) ENGLISH LANGUAGE, including Grammar and Composition ;
- (2.) LATIN, including Grammar, Translation from specified authors, and Translation of easy passages not taken from such authors ;
- (3.) ELEMENTS OF MATHEMATICS, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions ; (*b*) Algebra, including Simple Equations ; (*c*) Geometry, including the first book of Euclid, with easy questions on the subject-matter of the same ;
- (4.) ELEMENTARY MECHANICS OF SOLIDS AND FLUIDS, comprising the Elements of Statics, Dynamics, and Hydrostatics ;
- (5.) ONE OF THE FOLLOWING OPTIONAL SUBJECTS :—(*a*) Greek ; (*b*) French ; (*c*) German ; (*d*) Italian ; (*e*) any other Modern Language ; (*f*) Logic ; (*g*) Botany ; (*h*) Zoology ; (*i*) Elementary Chemistry.

The Preliminary Examination of the Faculty of Physicians and Surgeons of Glasgow entitles the Student to Registration.

A Senior or Junior Certificate of the Local Examinations of any of the Universities, or the London Matriculation (besides other examinations, for which see the regulations for the Triple qualification) will be accepted instead of the Preliminary Examination, in so far as it includes the subjects required ; any of the necessary subjects not included in it must be taken at the Preliminary Examination.

In the Preliminary Examination of the Scottish Licensing Bodies, every candidate for a full certificate must pass in all the four first-named subjects, and in one of the optional subjects, showing a competent knowledge in all five ; excellence in one subject will not compensate for deficiency in another. Candidates who pass in some of the necessary subjects, but not in all, will receive certificates specifying the subjects in which they have passed, and will be re-examined only on those subjects in which they have not previously passed. The subjects may be



passed at one or more examinations, but in the case of candidates who enter for or pass in any number of subjects less than the whole, a higher standard of proficiency will be required in each subject than in the case of those who enter for and pass the entire examination at one period. A certificate of having passed the examination in full will entitle its possessor, on commencing professional study, to have her name enrolled as a medical student by the Registrar of the division of the kingdom in which she is residing. A certificate of having passed part of the examination will qualify *pro tanto*.

By the regulations of the General Medical Council any period of study taken more than fifteen days before registration cannot be recognised. The Registrar for Scotland is—Mr. James Robertson, Solicitor, 1 George Square, Edinburgh.

The fee for the Examination of the Faculty of Physicians and Surgeons of Glasgow is 10s. Sets of questions of previous Examinations can be had from the Secretary of the Faculty, price 6d.

Examinations are held in Glasgow in the Faculty Hall, 242 St. Vincent St., on 9th October, 1890, 26th March, and 2nd July, 1891; Secretary, Mr. Alexander Duncan, B.A.

In addition to the above-mentioned Preliminary Examination, Candidates for the Degree of Bachelor of Medicine and Master in Surgery of the University of Glasgow are required to undergo, *previously to their First Professional Examination* (and, it is recommended, as far as possible, previous to the commencement of professional study), an examination in Books II. and III. of Euclid, and in one of the following: Greek, French, German, Higher Mathematics, Natural Philosophy, Logic, Moral Philosophy.

NOTE.—The Degrees of the University of Glasgow are not now (1890) open to women; but it is hoped that among the changes to be made by the Universities Commission now sitting may be the admission of women to University Examinations and Degrees.

A student who wishes to prepare for the Degrees of the University of London, or of Ireland, must pass the Matriculation Examination of the University she selects. The regulations for these Examinations may be had, for London, from the Registrar, University of London, Burlington House, London, W.; Examination Fee, £2; dates of Examination, January and June; for the Royal University of Ireland at 25 Upper Merrion St., Dublin; Examination Fee, 10s.; date of Examination, October.



REGULATIONS FOR CANDIDATES FOR THE QUALIFICATIONS IN  
MEDICINE AND SURGERY CONFERRED CONJOINTLY BY  
THE ROYAL COLLEGE OF PHYSICIANS OF EDINBURGH,  
THE ROYAL COLLEGE OF SURGEONS OF EDINBURGH,  
AND THE FACULTY OF PHYSICIANS AND SURGEONS  
OF GLASGOW.

PROFESSIONAL EDUCATION.

1. Candidates must have been engaged in Professional Study during Forty-five months from the date of registration as Medical Students by the General Medical Council, which period shall include not less than Four Winter Sessions' attendance at one or more recognised Medical School or Schools.

NOTE.—The General Medical Council have resolved that after 1st January, 1892, the period of professional study, between the date of Registration as a Medical Student and the date of Final Examination for any Diploma which entitles its bearer to be registered under the *Medical Acts*, must be a period of *bona fide* study during not less than five years.

2. The Candidate must produce certificates or other satisfactory evidence of having attended the following separate and distinct Courses of Instruction, at such Schools and under such Teachers as are recognised, the Certificates distinguishing the Sessions and the Schools in which they were severally attended:—

Anatomy, - - - - -	1 Course,	<i>Duration, at least</i> Six months.
Practical Anatomy, - - - - -		Twelve months.
Chemistry, - - - - -	1 Course,	Six months.
Practical or Analytical Chemistry, - - - - -	1 Do.,	Three months.
Materia Medica, - - - - -	1 Do.,	Three months.
Physiology, - - - - -	1 Do.,	Six months.
Practice of Medicine, - - - - -	1 Do.,	Six months.
Clinical Medicine, - - - - -		Nine months.
Principles and Practice of Surgery, - - - - -	1 Do.,	Six months.
Clinical Surgery, - - - - -		Nine months.
Midwifery and the Diseases of Women and Children, - - - - -	1 Do.,	Three months.
Medical Jurisprudence, - - - - -	1 Do.,	Three months.
Pathological Anatomy, - - - - -	1 Do.,	Three months.



The six months' Courses delivered in *Scotland*, with the exception of Clinical Medicine and Clinical Surgery, must consist of not fewer than 100 Lectures. The three months' Courses must consist of not fewer than 50 Lectures. The number of Lectures certified as attended at any school not situated in Scotland should not be less than three-fourths of the total number of Lectures delivered in a Course.

The Candidates must also produce Certificates of (a) attendance on not less than six (for Glasgow University twelve) Midwifery cases (three months' attendance on the indoor practice of a Maternity Hospital, and attendance at twenty cases is recommended); (b) three months' instruction in Practical Pharmacy; (c) twenty-four months' attendance on the Medical and Surgical Practice of a Public General Hospital; (d) six months' attendance, after the Student has passed the First and Second Professional Examinations, on the practice of a specially-recognised Public Dispensary (or three months, with three months' hospital clerkship), or the out-patient practice of a recognised general Hospital; (e) six weeks' instruction in the Theory and Practice of Vaccination.

NOTE.—In addition to the above subjects, the General Medical Council have resolved that, after January 1st, 1892, the subjects of Elementary Biology and Mental Disease shall form part of every course of professional study and examinations.

Candidates are advised to attend, in addition to the Courses of Instruction which are absolutely required, Practical or Tutorial Clinical Instruction in Medicine, Surgery, and Gynæcology, Lectures on Ophthalmic, Aural, and Mental Diseases, also on Natural History and Comparative Anatomy; and to obtain practical instruction in the Use of the Microscope, and its applications to Physiology and Medicine. It is also recommended that while the Student is engaged in Anatomical and Physiological studies, she should familiarise herself in the wards of the hospital with the subjects of "Fractures," "Dislocations," and the "Diseases of Bones and Joints"; and that the last year of the curriculum should be devoted as much as possible to clinical work and study. Candidates for the Final Examination are also advised, so far as local circumstances will permit, to study Fevers for not less than three months, under recognised Clinical instructors.

## PROFESSIONAL EXAMINATIONS FOR THE TRIPLE QUALIFICATION.

The First Professional Examination takes place not sooner than the end of the first year of study, and includes Chemistry, Elementary Anatomy, and Histology.

The Second Professional Examination takes place not sooner than the end of the second year of study, and includes Anatomy, Physiology, Materia Medica and Pharmacy. The Final Examination takes place not sooner than the end of the full period of study, and includes the Principles and Practice of Medicine (including Therapeutics, Medical Anatomy and Pathology); Clinical Medicine; the Principles and Practice of Surgery (including Surgical Anatomy and Surgical Pathology); Clinical Surgery; Midwifery and Gynæcology, Medical Jurisprudence and Hygiene.

For particulars of these Examinations see the Regulations of the Joint Examinations for the year (T. & A. Constable & Co., Edinburgh), which may be obtained from Mr. Alexander Duncan, B.A., Faculty Hall, 242 St. Vincent Street.



THE HISTORY OF THE

REIGN OF

THE FIRST OF THE HOUSE OF

THE SECOND OF THE HOUSE OF

THE THIRD OF THE HOUSE OF

THE FOURTH OF THE HOUSE OF

THE FIFTH OF THE HOUSE OF

THE SIXTH OF THE HOUSE OF

THE SEVENTH OF THE HOUSE OF

THE EIGHTH OF THE HOUSE OF

THE NINTH OF THE HOUSE OF

THE TENTH OF THE HOUSE OF

THE ELEVENTH OF THE HOUSE OF

THE TWELFTH OF THE HOUSE OF

THE THIRTEENTH OF THE HOUSE OF

THE FOURTEENTH OF THE HOUSE OF

THE FIFTEENTH OF THE HOUSE OF

THE SIXTEENTH OF THE HOUSE OF