

**Prospectus for session 1896-97 / University of Glasgow, Queen Margaret College, School of Medicine for Women.**

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UNIVERSITY OF GLASGOW.

Queen Margaret College.

SCHOOL OF MEDICINE FOR  
WOMEN.

PROSPECTUS FOR SESSION

1896-97.

GLASGOW :

JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET

Publishers and Booksellers to the University.

1896.



UNIVERSITY OF GLASGOW.

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Queen Margaret College.

SCHOOL OF MEDICINE FOR WOMEN.



In February, 1892, the Universities Commissioners issued an Ordinance (No. 18), empowering the Scottish University Courts to make provision within the Universities for the instruction of women, either by admitting them to the ordinary classes, or by instituting separate classes for their instruction. The Council of Queen Margaret College, having considered the provisions of this Ordinance, came to the conclusion that the purpose for which the College had been instituted would be best served by making over their work to the University of Glasgow. They, accordingly, with the concurrence of Mrs. Elder, the proprietrix of the buildings and grounds hitherto occupied by the College, offered to transfer to the University Court these buildings and grounds, and the endowments (present and prospective), on condition that these should be devoted to the establishment and maintenance of University Classes for women exclusively. The University Court, after consultation with the Senate, having resolved to exercise the power conferred by Ordinance No. 18, and to provide University instruction for women mainly by the institution of separate classes, agreed to accept the offer made by Queen Margaret College, and remitted to a Committee to take the necessary steps for completing the transfer. In virtue of this arrangement the teachers in Queen Margaret College were appointed by the University Court, and in session 1892-93 the students were admitted matriculated students of the University. In 1893, the College having been dissolved, the buildings and grounds, which had cost about £15,000, and the endowment funds, amounting to £25,482 17s. 6d., were handed over to the University Court; but the name "Queen Margaret College" survives as designating the part of the University buildings and grounds which is devoted to the education of women.

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## GLASGOW UNIVERSITY CALENDAR.

*THE Glasgow University Calendar contains a history of the University, and an account of its present Constitution and Government; statements regarding the various Faculties and Classes; the Regulations and Subjects of Examination for Degrees in Arts, Science, Medicine, Law, and Divinity; the questions proposed to Candidates for Degrees; the annual Graduation and Prize Lists; and the Bursaries, Scholarships, Fellowships, and other Endowments of the University.*

*It also contains an abstract of the proceedings of the University Court; a Statement of the Annual Income and Expenditure of the University; a List of the Members of the General Council; a List of the recognised Extra-Academical Lecturers; and notices of the various Students' Societies.*

*The Calendar is published by James MacLehose & Sons, 61 St. Vincent Street, Glasgow. Price 3s., by post 3s. 6d.*

UNIVERSITY OF GLASGOW,

June, 1896.

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## School of Medicine.

### CLASSES.

<i>Zoology,</i> - - - -	{	PROFESSOR YOUNG, M.D., and JAMES RANKIN, B.Sc.
<i>Botany and Practical Botany,</i> - - - -	{	WILLIAM H. LANG, B.Sc.
<i>Chemistry and Practical Chemistry,</i> - - - -	{	T. GRAY, B.Sc.
<i>Physics,</i> - - - -	{	PROFESSOR BLYTH, M.A., F.R.S.E.
<i>Anatomy and Practical Anatomy,</i> - - - -	{	THOMAS H. BRYCE, M.A., M.B., C.M., Fellow (by Examination) of the Faculty of Physicians and Surgeons, Glasgow.
<i>Physiology and Practical Physiology,</i> - - - -	{	PROFESSOR M'KENDRICK, M.D., and W. SNODGRASS, M.A., M.B., C.M., Muirhead Demonstrator.
<i>Materia Medica and Therapeutics, and Practical Pharmacy,</i> - - - -	{	C. O. HAWTHORNE, M.B., C.M., Fellow (by Examination) of the Faculty of Physicians and Surgeons, Glasgow.
<i>Pathology and Practical Pathology,</i> - - - -	{	CHARLES WORKMAN, M.D., Fellow (by Examination) of the Faculty of Physicians and Surgeons, Glasgow.
<i>Surgery,</i> - - - -	{	JAMES H. PRINGLE, M.B., C.M., F.R.C.S.
<i>Clinical Surgery,</i> - - - -	{	J. WALLACE ANDERSON, M.D., Fellow of the Faculty of Physicians and Surgeons, Glasgow.
<i>Medicine,</i> - - - -	{	JOHN LINDSAY STEVEN, M.D., Fellow (by Examination) of the Faculty of Physicians and Surgeons, Glasgow.
<i>Clinical Medicine,</i> - - - -	{	PROFESSOR CAMERON, M.D., Fellow of the Faculty of Physicians and Surgeons, Glasgow, and Assistant.
<i>Obstetrics and Gynæcology,</i> - - - -	{	PROFESSOR SIMPSON, M.A., M.D., and Assistant.
<i>Medical Jurisprudence,</i> - - - -	{	A. MAITLAND RAMSAY, M.D.
<i>Diseases of the Eye,</i> - - - -	{	THOMAS BARR, M.D.
<i>Diseases of the Ear,</i> - - - -	{	D. YELLOWLEES, M.D., LL.D.
<i>Insanity,</i> - - - -	{	BELVIDERE HOSPITAL.
<i>Fevers,</i> - - - -	{	ROYAL INFIRMARY.
<i>Vaccination,</i> - - - -	{	

### HOSPITALS.

ROYAL INFIRMARY; GLASGOW MATERNITY HOSPITAL; ROYAL HOSPITAL FOR SICK CHILDREN; HOSPITAL FOR DISEASES OF THE EYE, CHARLOTTE STREET; ROYAL ASYLUM, GARTNAVEL (FOR MENTAL DISEASES); HOSPITAL FOR INFECTIOUS DISEASES, BELVIDERE.

## MATRICULATION AND ENROLMENT IN CLASSES.

Attendance upon the Classes in Medicine qualifies for the Degrees in Medicine of the University of Glasgow.<sup>1</sup>

By Ordinance No. 50 of the Commissioners under the Universities Act of 1889, every student is required at the beginning of each Session to matriculate by enrolling her name in the University album before joining any class. The Secretary's office at Queen Margaret College will be open for the purpose of matriculation on and after Wednesday, 14th October. The Matriculation Fee is One Guinea for the Academical year; for the Summer Session alone, 10s. 6d. Matriculation ends on 6th November.

Students entering on a course of Medical Study should note that they must have previously passed the Preliminary Examination, and be registered in the books of the General Medical Council as Medical Students (see footnote, p. 26).

Women students are entitled, after matriculation, to the privilege of borrowing books from the University Library, to the use of the Reading Room in Queen Margaret College, and, under certain conditions, to admission to the Hunterian Museum; they are also entitled to vote for the Lord Rector of the University.

<sup>1</sup> The Classes held in Queen Margaret College being University Classes, certificates of attendance thereon may be used by those who propose to become Candidates for the Degrees of the other Scottish Universities, and for those of London University, Victoria University, and the Royal University of Ireland, as well as for the Qualifications of the Scottish Corporations.



Strict order and silence must be observed in the Reading Room; an adjoining room is provided for students who wish to wait between two classes.

Medical students have access, for the usual attendance in the wards and on the Clinical Lectures, to the Royal Infirmary, the Royal Hospital for Sick Children, the Royal Asylum, Gartnavel, the City of Glasgow Fever Hospital, Belvidere, and the Eye Hospital, Charlotte Street; they also have facilities for Dispensary work at the Royal Infirmary and Royal Hospital for Sick Children.

The Winter Session of the Medical Classes begins on 15th October and ends on 19th March, and the Summer Session of these Classes begins on 20th April and ends early in July.

Class Tickets will be obtained and Fees paid at Queen Margaret College, Kelvinside, Glasgow. *All Fees must be paid on enrolment.*

The Secretary's office at Queen Margaret College will be open during the Winter Session from 10.30 a.m. till 5.30 p.m., except on Saturdays, when it will not be open after 1 p.m. During the Summer Session the office hours are from 11 a.m. till 5 p.m., except on Saturdays, when the office will be closed.

Letters to be addressed to the Secretary, Miss Galloway, Queen Margaret College, Glasgow, from whom copies of the Prospectus and information regarding the Classes and House of Residence for Students may be obtained.

# TIME TABLE FOR WINTER 1896-7.—CLASSES IN MEDICINE.

	8—9.	9—10.	10—11.	11—12.	12—1.	2—3.	3—4.	4—5.
MONDAY, -	3. Pathology.	2. Anat. Pract. 3 & 4. Hospital.	2. Anat. Pract. 3 & 4. Hospital.	1. Anat. Jun. 2 & 3. Anat. Pract. 4. Medicine.	1. Chemistry. 2. Anat. Pract. 3. Materia Medica. 4. Gynæcology and Midwifery.	2. Physiology. 3. Anat. Pract. 4. Dispensary.	1. Physics. 2. Anat. Sen. 3. Anat. Pract. 4. Dispensary.	3. Surgery.
TUESDAY, -	3. Pathology.	1. Chem. Pract. 2. Anat. Pract. 3 & 4. Hospital.	1. Chem. Pract. 2. Anat. Pract. 3 & 4. Hospital.	1. Anat. Jun. 2 & 3. Anat. Pract. 4. Medicine.	1. Chemistry. 2. Anat. Pract. 3. Materia Medica. 4. Gynæcology and Midwifery.	2. Physiology. 3. Anat. Pract. 4. Dispensary.	2. Anat. Sen. 3. Anat. Pract. 4. Dispensary.	3. Surgery.
WEDNESDAY, -	3. Pathology.	2. Anat. Pract. 3 & 4. Hospital.	2. Anat. Pract. 3 & 4. Hospital.	1. Anat. Jun. 2 & 3. Anat. Pract. 4. Medicine.	1. Chemistry. 2. Anat. Pract. 3. Materia Medica. 4. Gynæcology and Midwifery.	2. Physiology. 3. Anat. Pract. 4. Dispensary.	1. Physics. 2. Anat. Sen. 3. Anat. Pract. 4. Dispensary.	3. Surgery.
THURSDAY, -	3. Pathology.	1. Chem. Pract. 2. Anat. Pract. 3 & 4. Hospital.	1. Chem. Pract. 2. Anat. Pract. 3 & 4. Hospital.	1. Anat. Jun. 2 & 3. Anat. Pract. 4. Medicine.	1. Chemistry. 2. Anat. Pract. 3. Materia Medica. 4. Gynæcology and Midwifery.	2. Physiology. 3. Anat. Pract. 4. Dispensary.	2. Anat. Sen. 3. Anat. Pract. 4. Dispensary.	3. Surgery.
FRIDAY, - -	3. Pathology.	2. Anat. Pract. 3 & 4. Hospital.	2. Anat. Pract. 3 & 4. Hospital.	1. Anat. Jun. 2 & 3. Anat. Pract. 4. Medicine.	1. Chemistry. 2. Anat. Pract. 3. Materia Medica. 4. Gynæcology and Midwifery.	2. Physiology. 3. Anat. Pract. 4. Dispensary.	1. Physics. 2. Anat. Sen. 3. Anat. Pract. 4. Dispensary.	3. Surgery.

The numbers prefixed to the names of the Classes indicate that the Classes may with advantage be attended by Students of 1st, 2nd, 3rd, or 4th years, as the case may be.



TIME TABLE FOR 1896-7.—WINTER SESSION.—CLASSES IN MEDICINE.

	Monday.	Tuesday.	* Wednesday.	Thursday.	Friday.
PHYSICS, ... ..	3-4	... ..	3-4	... ..	3-4
ANATOMY, Junior, ... ..	11-12	11-12	11-12	11-12	11-12
ANATOMY, Senior, ... ..	3-4	3-4	3-4	3-4	3-4
PRACTICAL ANATOMY, ... ..	9-5	9-5	9-5	9-5	9-5
CHEMISTRY, Systematic, ... ..	12-1	12-1	12-1	12-1	12-1
PRACTICAL CHEMISTRY, ... ..	10-1	9-1	10-1	9-1	10-1
PHYSIOLOGY, ... ..	2-3	2-3	2-3	2-3	2-3
MATERIA MEDICA, ... ..	12-1	12-1	12-1	12-1	12-1
PATHOLOGY, ... ..	8-9	8-9	8-9	8-9	8-9
SURGERY, Systematic, ... ..	4-5	4-5	4-5	4-5	4-5
SURGERY, Clinical, ... ..	9-10.30	9-10.30	9-10.30	9-10.30	9-10.30
MEDICINE, Systematic, ... ..	11-12	11-12	11-12	11-12	11-12
MEDICINE, Clinical, ... ..	9-10.30	9-10.30	9-10.30	9-10.30	9-10.30
MIDWIFERY AND GYNÆCOLOGY, ... ..	12-1	12-1	12-1	12-1	12-1
DISPENSARY, ... ..	{ 11-1 2-3.30	2-3.30	11-12.30 2-4.30	2-3.30	11-12.30 2-3.30

Some alterations in the above hours may be found necessary.



TIME TABLE FOR SUMMER 1897.—CLASSES IN MEDICINE.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
ZOOLOGY, ... ..	1-2	1-2	1-2	1-2	1-2
ZOOLOGY, Practical, ... ..	2-3.30	2-3.30	2-3.30	2-3.30	2-3.30
BOTANY, ... ..	11-12	11-12	11-12	11-12	11-12
BOTANY, Practical, ... ..	3.30-5.30	3.30-5.30	3.30-5.30	3.30-5.30	3.30-5.30
EMBRYOLOGY, ... ..	11-12	11-12	11-12	11-12	...
ANATOMY, Practical, ... ..	9-5	9-5	9-5	9-5	9-5
HISTOLOGY & PRACT. PHYSIOLOGY,	2-3	2-3	2-3	2-3	2-3
PRACTICAL PHARMACY AND THERAPEUTICS, ... ..	12-1	12-1	12-1	12-1	12-1
PRACTICAL PATHOLOGY, ... ..	10.30-11.30	10.30-11.30	10.30-11.30	10.30-11.30	10.30-11.30
OPERATIVE SURGERY, <sup>1</sup> ... ..	...	...	...	...	...
CLINICAL SURGERY, ... ..	9-10.30	9-10.30	9-10.30	9-10.30	9-10.30
CLINICAL MEDICINE, ... ..	9-10.30	9-10.30	9-10.30	9-10.30	9-10.30
MEDICAL JURISPRUDENCE, ... ..	12.10-1.10	12.10-1.10	12.10-1.10	12.10-1.10	12.10-1.10
DISEASES OF THE EYE, ... ..	...	4-5	...	...	4-5
DISEASES OF THE EYE, Clinical,	1-4	...	1-4	2-4	...
DISEASES OF THE EAR, <sup>1</sup> ... ..	...	...	...	...	...
INSANITY, ... ..	...	...	12-1	...	...
INSANITY, Clinical, ... ..	...	...	3-5	...	...
DISPENSARY, ... ..	{ 11-1 2-3.30	2-3.30	11-12.30 2-4.30	2-3.30	2-3.30
VACCINATION AND INFECTIOUS	DISEASES,	according to	arrangement.		

Some alterations in the above hours may be found necessary.

## Syllabus of Lectures.

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### ZOOLOGY AND PRACTICAL ZOOLOGY.

The Class of Zoology will meet in Summer, five days weekly, at 1 p.m., and the Practical Class at 2 p.m.

The Professional Examinations in October, 1896, will have special reference to the Annelida, Insecta, and Reptilia; and in March, 1897, to the Gasteropoda, Polyzoa, and Aves.

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.

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### BOTANY.

This Class will meet in the Summer Session daily, 11 to 12.

Afternoon Demonstrations are given upon Systematic Botany, and excursions are made on Saturdays to places of interest near Glasgow, for the study of plants in the field.

The Professional Examination in October and thereafter until further notice will embrace the following subjects:—

- I. Angiosperms—(a) External Morphology; (b) Histology.
- II. Gymnosperms and Cryptogams.
- III. Physiology.



## PRACTICAL BOTANY.

The Class will be held in the Summer Session daily, from 3.30 to 5.30 p.m. The work will consist principally of the dissection and microscopic examination of the various plants dealt with in the lectures. Instruction will also be given in the elements of vegetable physiology. Special attention is paid to methods of microscopic observation, drawing, etc.

Text-Book—*Practical Botany for Beginners*, by Professor F. O. Bower.

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CHEMISTRY.

## LECTURES ON SYSTEMATIC CHEMISTRY.

This Class will meet daily at 12 noon during the Winter Session. In this course 75 lectures are devoted to Inorganic and 25 to Organic Chemistry. The Inorganic part of the course begins with the study of the Chemistry of Water, Air, and their constituent elements, and from the knowledge thus gained the principles of the science are deduced: the commoner non-metallic and metallic elements are then considered in detail.

In the Organic lectures some of the more important members of the fatty series are discussed.

*Tutorial Class*—In addition to attendance at the lectures students are required to attend the Tutorial Class, at which additional instruction, by means of oral examination and written exercises, is given.

## PRACTICAL CHEMISTRY.

The Laboratory is open daily during the Winter Session between the hours of 10 a.m. and 1 p.m. Students may enrol at any stage of advancement, as each one works independently at a separate table.

A Class specially intended for Medical Students is held twice a week, on Tuesdays and Thursdays, from 9 to 11 a.m.

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## NATURAL PHILOSOPHY (PHYSICS).

This Class will meet daily at 3 p.m., except Saturdays; also, for practical work, on Saturdays, 10 to 12. The Course will include—

(1) Experimental Physics (Properties of Matter, Sound, Heat, Light, Magnetism, Static Electricity, Voltaic Electricity, Electro-Magnetism), Mondays, Wednesdays, and Fridays. The lectures will be fully illustrated by experiment.

(2) Theoretical Mechanics (Elementary Kinematics, Elementary Dynamics), Tuesdays and Thursdays.

(3) Practical Physics, Saturdays 10 to 12. The students will work practically in the Laboratory, and will be taught the construction and use of physical apparatus generally, and will also be required to employ the various instruments, so as to verify natural laws and obtain numerical results.

Students intending to take a Degree in Arts must take the whole course. The requirements of students preparing for a Medical Degree or qualification will be met by the first division of the course, and by attending three days weekly, viz., Mondays, Wednesdays, and Fridays.

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## ANATOMY.

### WINTER SESSION.

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

Five days weekly, 11 a.m. to 12.

The structure of the human body will be studied systematically. The Bones, the Joints and their mechanism, and the Muscles will be studied in detail; and a general sketch will be given of the Vascular and Nervous Systems.



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

Five days weekly, 3 to 4 p.m.

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*. For Practical Work, Professor Cleland's *Guide to Dissection*; Ellis' *Demonstrations of Anatomy*, or Professor Cunningham's *Dissector's Guide*.

### SUMMER SESSION.

During the Summer Session forty Lectures on Embryology will be given.

### PRACTICAL ANATOMY.

The Laboratory will be open from 9 a.m. till 5 p.m.—on Saturdays 9 a.m. till 12 noon—under the personal superintendence of the Lecturer.

For description of the new buildings for the Anatomical and Physiological Departments, see Appendix, page 50.

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## PHYSIOLOGY.

### SYSTEMATIC LECTURES.

The Lectures of this course are delivered daily at 2 p.m. during the Winter Session. They are devoted to an exposition of the main principles and facts of the Physiology of man.

1. *General Physiology*, which includes a description of the functions of the various tissues, and of the chemical reactions which occur in the living body.



2. *Special Physiology*, or the functions of organs and systems of organs. The division of the subject includes (1) Nutrition, (2) Animal Movements, (3) Innervation, and (4) Reproduction.

Examinations are held during the session.

#### PRACTICAL PHYSIOLOGY.

During the *Summer Session*, practical instruction is given daily at 2 p.m., in the Laboratory, by the Professor, the Muirhead Demonstrator and Assistant. This course includes: (1) Instruction in the use of the microscope, and in the microscopical examination of the various tissues with the aid of modern methods of hardening, staining, cutting, and mounting preparations. (2) The analysis of the principal fluids of the body, with special reference to the physiological processes by which they are produced. (3) The modes of observing and recording physiological phenomena. Students will be instructed in the use of physiological apparatus, and will have the opportunity of acquiring information which cannot readily be communicated in systematic lectures.

#### ADVANCED CLASS OF PRACTICAL PHYSIOLOGY.

A practical class has been instituted to meet the requirements of candidates for the degree of B.Sc. It will meet during the winter session at a suitable hour, on two or three days weekly, and the course will comprise fifty meetings. Students will be taught (*a*) the more advanced methods of Physiological Chemistry, (*b*) special methods in advanced Histology, and (*c*) the use of physiological apparatus, the experimental investigation of the properties of muscle and nerve, the physics of the circulation, and the physiology of the senses. This course is wholly practical, and is designed to supplement the instruction given in the ordinary class of Practical Physiology, and to lead the student into the higher departments of physiological science. Fee, £3 3s.



*The Laboratory.*

The Laboratory at the University is open daily from 10 a.m. to 4 p.m., under the superintendence of the Professor, to whom application should be made by those who may wish to pursue original investigation. It is furnished with the most modern appliances both for research and for the illustration of lectures on Physiology.

Text-Books—For the Systematic and Practical Classes—*Text-Book of Physiology*, 2 vols., by Dr. M'Kendrick.

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## MATERIA MEDICA AND THERAPEUTICS.

The Class will meet five days weekly, at 12 noon.

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., for therapeutic purposes, will also be considered; and there will be systematic demonstrations of the various articles of the *Materia Medica*.

## PRACTICAL PHARMACY.

During the Summer Session Lectures and Demonstrations 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.

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## SURGERY.

The Systematic Class will meet five days weekly in the College, 4 to 5 p.m. Clinical Work and Lectures 9 to 10.30 a.m. in the Royal Infirmary.

Text-Book—Erichsen, *Science and Art of Surgery*.

A course of Operative Surgery will be given in summer.



## PRACTICE OF MEDICINE.

The Class will meet five days weekly. The Lectures will be given in the College from 11 a.m. to 12, and Clinical Instruction from 9 to 10.30 a.m. in the Royal Infirmary.

During the ensuing Winter Session the work of the Class will be arranged according to the following plan, viz. :—

The Nature and Causes of Disease. The Febrile State and the ordinary specific Fevers. Diseases of the various Systems, beginning with those of the Nervous System.

Text-Book—Taylor's *Practice of Medicine*.

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 PATHOLOGY.

The Class meets in the Pathological Department of the Royal Infirmary five days weekly, at 8 a.m. in winter, and from 10.30 to 11.30 a.m. in summer.

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 may begin Pathological study with either class.

The Systematic Lectures and Demonstrations embrace a consideration of General and Special Pathology according to the following synopsis, viz. :—

1. General and Historical Introduction. The Cell Theory and Microbiology in their relations to Pathology.
2. Derangements of the Circulation of the Blood and the resulting Lesions.
3. The Pathology of Inflammation.
4. The causes and varieties of Infiltrations and Degenerations.
5. The process of Tumour-formation, with an outline of the classifications of Neoplasms.
6. 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; and of the phenomena of Pyrexia.
7. 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 from the wards, and the Lectures are illustrated by preparations from the Museum by the Electric Lantern Microscope 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.
5. An outline of Bacteriological methods, with demonstrations from the Bacteriological Laboratory.

Written and Practical Class Examinations are held during the Winter and Summer Sessions.

Systematic Text-Book—*A Manual of Pathology*, by Joseph Coats, M.D., 2nd Edition.

Practical Text-Book—*Practical Pathology*, an introduction to the practical study of Morbid Anatomy and Histology, by John Lindsay Steven, M.D.

## MIDWIFERY AND GYNÆCOLOGY.

This Class will meet 5 days weekly, 12 to 1 p.m. The Lectures will comprise a complete study of Midwifery and Diseases of Women, as also Practical Demonstrations in the Use of Instruments, etc.

### PRACTICAL MIDWIFERY.

Students can attend cases in connection with the Maternity Hospital.



## MEDICAL JURISPRUDENCE AND PUBLIC HEALTH.

This Class will meet daily from 12.10 to 1.10 p.m. during the Summer Session.

The Lectures on Forensic Medicine will, as far as possible, elucidate the application of every branch of Medical Science to the purposes of the Law.

In the department of Public Health special attention will be given to the subjects of Air, Ventilation and Heating, Water, Food, Meteorology, Injurious Trades, Vital Statistics, Sanitary Law, Disinfection, Disposal of Sewage and Refuse, and Sanitation in general.

During the Session students will have an opportunity of visiting, along with the Professor or his assistant, the most important public institutions and works in the district dealing with Disposal of Sewage and Refuse, Disinfection, Ventilation, etc.

Demonstrations, macroscopic and microscopic, will be given frequently during the session, illustrating, as far as possible, the whole range of Forensic Medicine and Public Health. In addition, facilities will be given for studying practical Toxicology in the Medico-Legal laboratory at the University.

Written and Oral Examinations (attendance on which is compulsory) will be held at intervals.

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## INSANITY.

A course of Lectures is given on Wednesdays, at 12 noon, during the Summer Session, and Clinical Instruction at the Asylum, Gartnavel, on Wednesdays or Saturdays.

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## DISEASES OF THE EYE.

A course of Lectures is given in the College during the Summer Session, on Tuesdays and Fridays, 4 to 5 p.m.; and



Clinical Instruction at the Eye Hospital, Charlotte Street, Mondays and Wednesdays, 1 to 4 p.m., and at the Eye Hospital, Berkeley Street, on Thursdays at 2 p.m.

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### DISEASES OF THE EAR.

The course of Instruction on Diseases of the Ear consists of (1) Twelve Lectures delivered in the University once a week during the session, to be illustrated by the exhibition of instruments, by methods of examination and treatment, diagrams and lantern views; (2) Practical Instruction in the Glasgow Ear Hospital.

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### INFECTIOUS DISEASES.

A course of Clinical Instruction, extending over six weeks in winter and ten weeks in summer, is given in the City of Glasgow Fever Hospital, Belvidere.

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### HOSPITAL INSTRUCTION.

#### ROYAL INFIRMARY.

Wards are appropriated to the Clinical Instruction of women students in this Hospital, which contains 584 beds for medical and surgical patients. There is also a largely attended out-patient department, besides special cliniques for ear, throat, eye, etc.

Students of this School have exceptional facilities for clinical study in the wards set apart for their instruction.

On the Surgical side ample opportunities are afforded in the wards for Clinical Clerking and Dressing, and students holding these posts assist at the operations. Classes in bandaging and minor surgery are also held.

On the Medical side the Clinical Class is divided into a Senior and Junior division. From the senior students clinical clerks are selected; and by means of small tutorial classes every facility is given to all the members of the Clinical Class for



becoming practically acquainted with the methods of physical diagnosis.

The splendid Pathological Museum of the Hospital, under the direction of the curator, Dr. Charles Workman, is largely drawn upon for illustration, and is open to the students for purposes of study.

Dispensary instruction is given as follows:—

Medical Dispensary, . . . . .	{ 2 p.m., Monday, Wednesday, Friday.
Surgical „ . . . . .	{ 2 p.m., Tuesday, Thursday, Saturday.
Diseases of the Skin, . . . . .	Dr. Morton, 11 a.m., Monday.
„ „ Eye, . . . . .	Dr. Napier, 12 noon, Monday.
„ „ Throat and Nose, . . . . .	{ Dr. Fullerton, 11 a.m., Wednesday.
„ „ Ear, . . . . .	Dr. Love, 3.30 p.m., Wednesday.
„ „ Teeth, . . . . .	Mr. Gray, 3.30 p.m., Saturday.
„ of Women, . . . . .	Dr. Kelly, 11 a.m., Saturday.
Vaccination, Dr. Hugh Thomson.	

#### ROYAL HOSPITAL FOR SICK CHILDREN.

Facilities are given in this Hospital for the study of the diseases of childhood.

Students can attend the Hospital, 45 Scott Street, and the Dispensary, 11 West Graham Street, during the visits of the Physicians and Surgeons.

Information may be had from the House Surgeon, 45 Scott Street, Garnethill.

#### GLASGOW MATERNITY HOSPITAL.

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

Rules on application to the Secretary, MR. ARTHUR FORBES, Writer, 146 Buchanan Street.

#### ROYAL LUNATIC ASYLUM, GARTNAVEL.

(See ante, page 21.)

#### EYE HOSPITAL, CHARLOTTE STREET.

(See ante, page 21.)

#### CITY OF GLASGOW FEVER HOSPITAL.

(See ante, page 22.)



## CLASS FEES.

The Course of Physics comprises 50 meetings of the Class. Courses 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, except Operative Surgery, Insanity, Lectures on the Eye, on the Ear, and on Infectious Diseases, for which the courses are shorter.

## WINTER SESSION.

Physics, . . . . .	£3	3	0 <sup>1</sup>
Chemistry, . . . . .	3	3	0 <sup>1</sup>
Practical Chemistry, . . . . .	3	3	0 <sup>1</sup>
Chemical Laboratory, . . . . .	£3	3	0 to 5 5 0
Anatomy, Junior, . . . . .	3	3	0 <sup>1</sup>
Anatomy, Senior, . . . . .	3	3	0 <sup>1</sup>
Practical Anatomy, . . . . .	3	3	0
Physiology, . . . . .	3	3	0 <sup>1</sup>
Materia Medica and Therapeutics, . . . . .	3	3	0 <sup>1</sup>
Pathology, . . . . .	3	3	0 <sup>1</sup>
Surgery, . . . . .	3	3	0 <sup>1</sup>
Practice of Medicine, . . . . .	3	3	0 <sup>1</sup>
Clinical Medicine, { see Hospital.			
Clinical Surgery, {			
Midwifery, . . . . .	3	3	0 <sup>1</sup>

## SUMMER SESSION.

Zoology, . . . . .	3	3	0 <sup>1</sup>
Practical Zoology, . . . . .	3	3	0
Botany, . . . . .	3	3	0 <sup>1</sup>
Practical Botany, . . . . .	3	3	0
Practical Anatomy, . . . . .	2	2	0
Embryology, . . . . .	2	2	0
Practical Anatomy and Embryology (if taken together), . . . . .	3	3	0
Practical Physiology, . . . . .	3	3	0 <sup>1</sup>
Practical Pharmacy, . . . . .	3	3	0 <sup>1</sup>
Clinical Medicine, { see Hospital.			
Clinical Surgery, {			
Operative Surgery, . . . . .	2	2	0
Practical Pathology, . . . . .	3	3	0 <sup>1</sup>
Medical Jurisprudence and Public Health, . . . . .	3	3	0 <sup>1</sup>
Insanity and Clinique, . . . . .	2	2	0
Lectures on the Eye and Clinique, . . . . .	2	2	0
Lectures on the Ear and Clinique, . . . . .	1	1	0
Infectious Diseases, . . . . .	1	1	0
Vaccination, . . . . .	1	1	0

<sup>1</sup> Fee for a Second or subsequent Session, £2 2s.



## HOSPITAL FEES.

## ROYAL INFIRMARY.

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, to the several Courses of Clinical Instruction, and to Dispensary work, during that year.

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, £2 2s. Rules on application to the Secretary, MR. ARTHUR FORBES, Writer, 146 Buchanan Street.

## ROYAL HOSPITAL FOR SICK CHILDREN, AND DISPENSARY.

Fee, £1 1s. for twelve months' attendance.

Information may be had from the House Surgeon, 45 Scott Street, Garnethill.

## GRADUATION IN MEDICINE AND SURGERY.

The Degrees in Medicine and Surgery conferred by this University are all recognised by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

Every student who began his medical studies previous to 1st January, 1892, is entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before<sup>1</sup> or after that date. All others must fulfil the requirements of the new ordinance—(Ordinance No. 14, Glasgow No. 1—Regulations for Degrees in Medicine)—the principal provisions of which are as follows:—

I. Four degrees in Medicine and Surgery are conferred by the Uni-

<sup>1</sup>These regulations may be found at pp. 188-192 of the *University Calendar* for session 1895-96, and in the *Calendars* for preceding sessions.



versity of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The Degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, and the Degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Surgery.

II. Subject to regulations to be made from time to time by the University Court, the University may also confer diplomas in Special Branches of Medical and Surgical Practice on graduates of the University in Medicine and Surgery.

III. Before commencing his medical studies, each student must pass a Preliminary Examination in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German: Provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate may be substituted for one in either French or German, and an examination in any other classical language for one in Latin or Greek.<sup>1</sup>

IV. The extent and standard of the Preliminary Examination shall be determined by the Joint-Board of Examiners constituted under Ordinance No. 13 (Regulations as to Examinations) in accordance with the terms of that ordinance.

Under this section the Joint-Board have directed that for the Medical Preliminary Examination the papers set in Latin, Greek, and Mathematics shall be the same as those set on the lower standard in these subjects in the Arts and Science Preliminary Examination; and that the papers set in French and German shall be of a lower standard than those set in these subjects in the Arts and Science Preliminary Examination. The papers set in English (i.) in October, 1896, shall be of a lower standard than the papers set in this subject in the Arts and Science Preliminary Examination; (ii.) in and after April, 1897, the papers set in English shall no longer be of the same character as the paper on English in the Arts and Science Preliminary Examination; no set books shall be prescribed, nor shall a general knowledge of the life and works of the greater authors be expected of candidates, but one or two questions may be set, giving an opportunity to candidates to show a knowledge of famous literary works. The historical questions shall not be confined to any one period, but shall cover the whole of British History, and shall be set in such a way as to give an opportunity to candidates who have confined their studies to a single period to show their knowledge. A single three hours' paper shall be set, containing an Essay, a Paraphrase, two questions on History, two on Geography, four on Grammar (including correction of sentences, parsing, analysis of sentences, and derivations), two of a literary and

<sup>1</sup> The candidate for the Degrees of Bachelor of Medicine and Bachelor of Surgery must have been registered in the books of the General Medical Council at least five years prior to the date of her graduation. In order to be so registered she must transmit to James Robertson, Esq., the Scottish Branch Registrar, 1 George Square, Edinburgh, together with a printed form of application, which may be obtained from the Secretary, Queen Margaret College, a certificate of having passed the Preliminary Examination.



general kind. Eight answers shall be required. The Essay, the Paraphrase, one answer on History and one on Geography shall be compulsory. In October, 1896, alternative papers will be set in English, one on the lines laid down in paragraph (i.), and the other on the lines laid down in paragraph (ii.), and candidates may select whichever they prefer.

It shall be in the option of any candidate for the Medical Preliminary to take the papers set on the higher standard for the Arts Preliminary in any of the subjects.

Excellence in one or more subjects will be permitted to compensate in some measure for deficiency in any of the other subjects. Such excellence may be shown either by attaining a high percentage of marks on the lower standard, or by passing on the higher standard.

Candidates who, having taken English, Latin, Greek, Mathematics, or a Modern Language, on the higher standard, as prescribed by the Arts Ordinance for the Arts and Science Preliminary, have obtained a satisfactory percentage of marks, shall be held to have passed the Medical Preliminary in these subjects: Provided that all the subjects required by the regulations of the General Medical Council are taken at the same time.

For subjects of examination see regulations for English, Latin (lower standard), Greek (lower standard), Mathematics (lower standard), French, and German, under Arts and Science Preliminary Examination, see pp. 146—148 of the University Calendar.<sup>1</sup>

V. The Preliminary Examination is conducted in accordance with the provisions of Ordinance No. 13 (Regulations as to Examinations), and, subject to the provisions of the immediately succeeding section hereof, the entire examination must be passed at one and the same time.

VI. A degree in Arts or in Science (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination; and the Joint-Board of Examiners appointed under the provisions of Ordinance No. 13 (Regulations as to Examinations) shall have power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the Preliminary Examination.

The Joint-Board have issued the following rules under the heading—Examinations accepted as exempting from the Preliminary Examination in Medicine: Provided always that the regulations of the General Medical Council regarding the registration of students of Medicine be complied with:—

1. In terms of the Medical Ordinances, “a degree in Arts or in Science (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination.”

2. Any candidate who produces a certificate of having passed the Preliminary Examination in Arts or Science in any Scottish University, either at the University Examination or through the Leaving

<sup>1</sup> See also pp. 45-48 of this Prospectus.



Certificates of the Scotch Education Department, or partly at the University Examination, and partly through the Leaving Certificates, shall be held to have passed the Preliminary Examination for Medicine: Provided that the examination has included the specified subjects of General Education as required under the Regulations of the General Medical Council, and by Section III. of this ordinance.

3. A candidate who has passed the Arts and Science Preliminary Examination of the Joint-Board in any subject (Higher Grade if there is more than one) recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

4. A candidate who has obtained the Leaving Certificate (Honours or Higher Grade) of the Scotch Education Department in any subject recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

The regulation that all the subjects of the examination shall be passed at one and the same time shall not be held to apply to any of the above cases, 2, 3, and 4. But candidates complying with these Rules (2, 3, and 4) must obtain a University Certificate specifying the examinations passed by them which have been accepted as equivalents to the Preliminary, and must present said certificate to the Medical Registrar in order to registration.

Further, each such candidate when applying for said certificate must, if he has not entered for any part of the Preliminary, produce a Matriculation Card from some one of the Scottish Universities.

5. Lower Grade Leaving Certificates of the Scotch Education Department will only be accepted as exempting from the Medical Preliminary Examination, provided the examinations in all the requisite subjects have been taken and passed at one and the same time.

6. The following English and Irish University Examinations will be accepted (provided they include all the subjects required under the regulations of the General Medical Council, and prescribed by Section III. of this ordinance), viz.:—

OXFORD Responsions—provided the candidate pass the examination of the Joint-Board in English; Moderations.

CAMBRIDGE Previous Examination—provided that candidates who have passed it prior to Michaelmas, 1896, shall pass the examination of the Joint-Board in English. After Michaelmas, 1896, the Previous Examination will be accepted as exempting *in toto*.

OXFORD Senior Local Examinations will be accepted *pro tanto*, provided that, as regards English, the certificate shall bear that the candidate has passed in division 1 of the subject, and in either division 3, 4, or 5.

OXFORD Higher Examination for Women will be accepted *pro tanto*.

CAMBRIDGE Senior Local Examinations will be accepted *pro tanto*.

CAMBRIDGE Higher Local Examinations will be accepted *pro tanto*



OXFORD and CAMBRIDGE Schools Examination Higher Certificate will be accepted *pro tanto*, provided that, as regards Mathematics, the certificate shall bear that the candidate has passed in both Elementary and Additional Mathematics; the Lower Certificate will be accepted *pro tanto* only till October, 1897, inclusive.

LONDON UNIVERSITY Matriculation Examination.

DUBLIN, TRINITY COLLEGE.—Public Entrance Examination.

ROYAL UNIVERSITY OF IRELAND.—Matriculation Examination.

VICTORIA UNIVERSITY.—Preliminary Examination; Entrance Examination in Arts.

By *pro tanto* is here meant that a certificate of having passed in the examination referred to, in any subject required for the Medical Preliminary Examination, shall, as regards that subject, exempt from further examination in the said Preliminary Examination.

7. The examinations of the following Indian, Colonial, and Foreign Universities and Colleges will be accepted (provided the examinations include all the subjects required by the General Medical Council and prescribed by Section III. of this ordinance), viz.:—

UNIVERSITY OF (1) CALCUTTA, (2) MADRAS, and (3) BOMBAY.—Entrance Examination (Certificate to include Latin).

UNIVERSITIES OF (1) THE CAPE OF GOOD HOPE.—Matriculation Examination; (2) TASMANIA.—Matriculation Examination; (3) NEW ZEALAND.—Matriculation and Medical Preliminary Examinations; (4) MELBOURNE.—Matriculation Examination; (5) SYDNEY.—Matriculation Examination; (6) ADELAIDE.—Matriculation Examination, or its substitute, the Senior or Junior Public Examination.

THE PROVINCIAL EDUCATION DEPARTMENT OF ONTARIO.—Departmental Pass Arts Matriculation Examination.

TRINITY UNIVERSITY, TORONTO.—Matriculation Examination.

THE UNIVERSITY OF TORONTO.—Senior or Junior Matriculation Examination.

QUEEN'S COLLEGE AND UNIVERSITY, KINGSTON.—Matriculation Examination.

M'GILL UNIVERSITY.—Matriculation Examination.

KING'S COLLEGE, WINDSOR, NOVA SCOTIA.—Responsions.

DALHOUSIE COLLEGE, HALIFAX.—Matriculation Examination.

MOUNT ALLISON COLLEGE, SACKVILLE, NEW BRUNSWICK.—Matriculation Examination.

THE UNIVERSITY OF WINNIPEG.—Preliminary Examination in Arts.

VICTORIA COLLEGE, UPPER CANADA.—Matriculation Examination.

THE UNIVERSITY OF HALIFAX, NOVA SCOTIA.—Matriculation Examination.

THE UNIVERSITY OF FREDERICTON, NEW BRUNSWICK.—Matriculation Examination.

THE WESTERN UNIVERSITY OF ONTARIO.—Matriculation Examination.

THE UNIVERSITY OF MANITOBA.—Previous Examination.



CODRINGTON COLLEGE (BARBADOES).—English Certificate for Students of two years' standing, and Latin Certificate, or "Testamur."

GERMANY AND OTHER CONTINENTAL COUNTRIES.—Gymnasial Abiturienten-Examen, and corresponding Entrance Examinations to the Universities.

8. In the case of candidates for the Medical Preliminary Examination, who hold qualifications from Foreign or Colonial Bodies, other than Universities, whose certificates are not included in the list of Equivalent Examinations issued by the Joint-Board, a committee in each University, consisting of the Deans of the Faculties of Arts, Science, and Medicine, are empowered to accept such certificates, if it deems them sufficient, provided that all such cases are reported to the Joint-Board at their meeting next following.

#### PROFESSIONAL EDUCATION.

VII. Candidates shall be admitted to the Degree of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions:—

1. The candidate must have been engaged in medical study for at least five years.
2. In each of the first four years the candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in Sub-section 4 hereof—each course extending over a session of not less than five months, either continuous or divided into two terms; or, alternatively, one such course, along with two courses, each extending over a session of not less than two and a half months.
3. During the fifth or final year the candidate shall be engaged in clinical study for at least nine months at one or more of such public hospitals or dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.
4. The candidate must, during his curriculum, have attended a course or courses of instruction in each of the following subjects of study, including such examinations as may be prescribed in the various classes, viz.:—
 

<ol style="list-style-type: none"> <li>1. ANATOMY,<sup>1</sup> . . . . .</li> <li>2. PRACTICAL ANATOMY, . . . . .</li> <li>3. CHEMISTRY, . . . . .</li> <li>4. MATERIA MEDICA and THERAPEUTICS, . . . . .</li> <li>5. PHYSIOLOGY or INSTITUTES OF MEDICINE, . . . . .</li> <li>6. PRACTICE OF MEDICINE, . . . . .</li> <li>7. SURGERY,<sup>1</sup> . . . . .</li> <li>8. MIDWIFERY and the DISEASES peculiar to WOMEN and INFANTS. Two courses of Midwifery, of three months each, provided different departments of Obstetric Medicine be taught in each of the courses, shall be reckoned equivalent to a course of not less than five months, . . . . .</li> <li>9. PATHOLOGY, . . . . .</li> </ol>	$\left\{ \begin{array}{l} \text{During a course of not less than five months.} \\ \text{During two courses of not less than five months each.} \\ \text{During courses of not less than five months.} \end{array} \right.$
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<sup>1</sup> Students are recommended to take Junior Anatomy in their first winter and to defer taking Systematic Surgery till their third winter.



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|---|---|
| 10. PRACTICAL CHEMISTRY, . . . . .  | } During courses of not less than<br>two and a half months. |
| 11. PHYSICS (including the DYNAMICS OF SOLIDS,<br>LIQUIDS, and GASES, and the RUDIMENTS<br>OF SOUND, HEAT, LIGHT, and ELECTRICITY), . . . . . |   |
| 12. ELEMENTARY BOTANY, . . . . .  |   |
| 13. ELEMENTARY ZOOLOGY, . . . . .   |   |
| 14. PRACTICAL PHYSIOLOGY, . . . . .   |   |
| 15. PRACTICAL PATHOLOGY, . . . . .  |   |
| 16. MEDICAL JURISPRUDENCE and PUBLIC HEALTH,  |   |

Provided always, in so far as regards the University of Glasgow, that—

(a) It shall be the duty of the Senatus to determine from time to time [after receiving through the Faculty of Medicine the opinion of the Board of Studies] the number of meetings of which such courses shall consist, and in what cases two half courses shall be deemed equivalent to a full course; and to report the determination to the University Court for its approval.<sup>1</sup>

(b) It shall be the duty of the Professors and Lecturers to submit to the Senatus [after 1st October, 1894, the Board of Studies] annually at the end of the winter session a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. [The Board of Studies shall transmit the schemes to the Faculty of Medicine, who shall submit them to the Senate with such observations as they may think fit to make thereon.] The Senatus shall transmit such schemes, with such observations as it may think fit to make thereon, to the University Court for its approval.<sup>1</sup>

(c) The University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

5. The candidate must have attended for at least three years the Medical and Surgical Practice of a General Hospital at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons, and is recognised for the purpose by the University Court.<sup>2</sup>
6. The candidate must have attended Clinical Surgery during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary surgeons of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.

<sup>1</sup>The Universities Commission, on 18th November, 1893, ordained that for the better carrying out of the purposes of these provisos the Senate should institute a Board or Boards of Studies in the Faculty of Medicine. See Section I., Ordinance No. 42, which received the approval of Her Majesty in Council on 28th May, 1894. The provisions of this supplementary ordinance have, in the text, been combined with the provisions of the original ordinance, by means of square brackets.

<sup>2</sup>On 7th October, 1892, the University Court recognised every General Hospital in the United Kingdom which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons.



7. The candidate must have attended Clinical Medicine during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Medicine or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary physicians of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
8. The candidate must have attended a course of instruction in Mental Diseases, of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to time determine.

Under this sub-section the Senate, with the approval of the University Court, has determined that each candidate for the Degree of M.B. and Ch.B. shall be required to attend a course of instruction in Mental Diseases, given by the University Lecturer or by a recognised teacher, consisting of not less than eighteen meetings. Six of these may be class-room lectures, and the others shall be demonstrations in the wards of an asylum for the insane.

9. The candidate must have attended a course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an hospital or dispensary, or in an establishment recognised by the Pharmaceutical Society, *i.e. in the establishment of any chemist and druggist or pharmaceutical chemist of Great Britain, or any pharmaceutical chemist of Ireland, who is registered in the books of the Pharmaceutical Society of Great Britain or of the Pharmaceutical Society of Ireland respectively.*<sup>1</sup>
10. The candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician or surgeon, or of a member of the London or Dublin Society of Apothecaries. He must have acted as clerk in the medical and dresser in the surgical wards of a public hospital; and must also have availed himself, to such an extent as may be required by the Senatus, with the approval of the University Court, of opportunities of studying at an hospital or dispensary, *Post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other special departments as may from time to time be determined.

Under this sub-section the Senate, with the approval of the University Court, has determined as follows:—

A. Each candidate for M.B. and Ch.B. shall be required to attend—

1. Demonstrations in the *post-mortem* room of a recognised hospital, with practical instruction in making *post-mortem* examinations. The student must have attended during his curriculum at least twenty examinations.

<sup>1</sup>The explanatory words in italics are taken from Ordinance No. 54, Section II., issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.



2. A course of clinical instruction in Fevers, consisting of at least ten meetings in a hospital for infectious diseases containing not less than fifty beds.
3. A practical course of instruction in Ophthalmology of not less than twenty meetings. Six of these may be class-room lectures, and the others shall be for clinical instruction in the wards of a recognised hospital, or in the wards of a hospital and in a dispensary both recognised for the purpose. The course shall include sufficient practical instruction in the methods of examining the eye.

B. Each candidate is also recommended to attend the following:—(a) Diseases of Children, (b) Diseases of the Ear, (c) Diseases of the Throat and Nose, and (d) Diseases of the Skin, in short practical courses of ten meetings.

N.B.—This is not to be understood as preventing a teacher in any speciality giving a fuller course to such students as may desire to follow out more fully any particular branch.

11. The candidate must have attended, under the superintendence of a registered medical practitioner, twelve cases of labour, or such additional number as the Senatus, with the sanction of the University Court, may from time to time determine; or have attended for three months the practice of a lying-in hospital, or of the maternity department of a general hospital or other public charitable institution, and have conducted personally six, or such an additional number of cases of labour as the Senatus, with the approval of the University Court, may from time to time determine.
12. The candidate must have been properly instructed in Vaccination at a Public Vaccination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.<sup>1</sup>
13. No candidate for a degree shall be deemed to have attended a class as part of the curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the places and institutions at which the studies of the candidate may be prosecuted, the following regulations shall have effect:—

1. Two of the five years of medical study must be spent in the University of Glasgow, each year of study including always the attendances specified in Section VII., Sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such medical schools or under such teachers as may be recog-

<sup>1</sup> The recognised Vaccine Departments in Glasgow are—Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.



nised for the purpose by the University Court, each year of study during the first four years including always the attendances specified in Section VII., Sub-section 2.

3. Of the subjects of study specified in Section VII., Sub-section 4, not less than eight must be taken in the University of Glasgow, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court, or in a College incorporated with, or affiliated to a University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court: Provided always that where in any of said subjects of study two or more courses are required, the taking of one of those courses shall constitute a taking of the subject for the purpose of this sub-section.
4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such medical schools or under such teachers as may be recognised for the purpose by the University Court.
5. All candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a fee of the same amount as the Matriculation Fee paid by students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The fee for attendance, for purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow, shall be not less than the amount exigible for the corresponding courses in the University.
7. The University Court shall not recognise as qualifying for examination in any of the subjects specified in Section VII., Sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where Professors in the University are at liberty to teach two subjects: Provided always that a Professor or other teacher in any endowed public College or institution, who by the terms of his appointment is required to teach more than one subject of medical study therein, may be recognised under Sub-section 2 of this section, as a teacher of any one of the subjects which he teaches.
8. A teacher, attendance on whose course of instruction shall, before the date of the approval of this ordinance by her Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such teacher may continue to be recognised as heretofore.
9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.



IX. In the University of Glasgow it shall be the duty of the Professors of the subjects specified in Section VII., Sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one course of five or six months, or of two and a half or three months, as the case may be.<sup>1</sup>

X. If any candidate shall, before presenting himself for his Preliminary Examination, have attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a course or courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying course in the same subject in the University of Glasgow, such attendance shall (notwithstanding anything hereinbefore ordained) be held as entitling him to be examined in these subjects; and if the candidate shall have attended such course or courses in each of the said subjects, he shall be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent course or courses shall be presented to the Senatus at the time when the candidate presents himself for his Preliminary Examination; and the Senatus shall, if satisfied, grant a certificate to that effect: Provided also that *the provisions of this section shall not have effect except where the University Court shall allow their application after a report by the Senatus Academicus, setting forth special grounds therefor in the case of any candidate named in the report.*<sup>2</sup>

#### PROFESSIONAL EXAMINATION FOR THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY.<sup>3</sup>

XI. Each candidate shall be examined both in writing and orally, and also clinically where the nature of the subject admits, in the following divisions, viz.:—*First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics; *Third*, in Pathology and Medical Jurisprudence and Public Health; *Fourth*, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery.

<sup>1</sup> Doubt being entertained as to the construction of this Section, the question was submitted to the Universities Commissioners, and evoked from them the following deliverance:—

It is not intended to require of the Professor a complete course of instruction by lectures during each session, or to limit the examinations for degrees to subjects which shall be discussed in the lectures of the Professor at the time that the student attended the course. The word "instruction," as used in this Section, is to be held to include lectures upon such parts of the subject as the Professor may be able to overtake, supplemented by directions as to the use of text-books or other sources of information for the remainder of the subject: and it is also intended that the examinations may be taken over the whole field, even when the Professor has not been able to include it all in his course of lectures.

<sup>2</sup> The proviso in italics is taken from Ordinance No. 54, Section V., issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.

<sup>3</sup> For Table of Fees and Dates of Examinations, see page 44.



In subjects which admit of practical instruction, the examination shall be such as to test the practical acquirements of the candidate.

Provided always that if a candidate have obtained in a University of the United Kingdom, or other University specially recognised for the purpose by the University Court, a degree in Science or in Arts, granted in either case after a course of study and an examination in Botany, Zoology, Physics, and Chemistry, he shall be held to have passed his examinations in the said subjects.

Provided also that *if a candidate have completed in a University of the United Kingdom a course of study and passed an examination in Botany, Zoology, Physics, or Chemistry qualifying for a degree in Science or in Arts, he shall be held to have passed the examinations in such subject or subjects.*

*If a candidate have obtained a degree in Science or in Arts in any University other than a University of the United Kingdom, granted in either case after a course of study and an examination in Botany, Zoology, Physics, or Chemistry, it shall be in the power of the University Court to exempt such candidate from the examinations in such subject or subjects: Provided that the course of study and the standard of examination in each case are satisfactory in the judgment of the Senatus Academicus.*<sup>1</sup>

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz.:—Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full course in each of the subjects professed.

XIII. Candidates who have passed their examination in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

Provided that candidates who so desire may postpone their examination in Materia Medica and Therapeutics until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

Provided that candidates who so desire may postpone their examination in Medical Jurisprudence and Public Health until the close of the summer session following.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.

XVI. If any candidate at these examinations be found unqualified in one or more subjects he shall not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.

XVII. If any candidate at these examinations be found to have passed in one or more subjects with sufficient merit, he shall not be liable to

<sup>1</sup>The words in italics are taken from Ordinance No. 54, Sections III. and IV., issued by the Universities Commission on 18th July, 1894, which came into operation on 11th May, 1895, having been on that date approved by Her Majesty in Council.



re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every candidate must deliver, on or before such day as the Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the candidate has satisfied the Examiners, the Dean of the Faculty of Medicine shall lay the proceedings before the Senatus, by whose authority the candidate shall be admitted, on such day as the Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.<sup>1</sup>

XX. Candidates for graduation shall produce evidence of their having conformed to the regulations which were in force at the time they commenced their medical studies: Provided that any student who began his medical studies before 1st January, 1892, shall be entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before<sup>2</sup> or after that date.

#### PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of Bachelor of Medicine and

<sup>1</sup> For Table of Fees and Dates of Examination, see page 44.

<sup>2</sup> These regulations may be found at pp. 188—192 of the *University Calendar* for session 1895-96, and in the *Calendars* for preceding sessions.



Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.

4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

*Bachelors of Medicine and Masters of Surgery of the University of Glasgow, who have graduated under the regulations in force before the fifth day of August, 1892, may proceed to the Degree of Doctor of Medicine under the provisions of this section, in the same manner as if they held the Degree of Bachelor of Surgery.*<sup>1</sup>

#### PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

- XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.
2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical

<sup>1</sup> Taken from Ordinance No. 54, Section VI., which was issued by the Universities Commissioners on 18th July, 1894, and came into operation on 11th May, 1895, having on that date been approved by Her Majesty in Council.



Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine; and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Master of Surgery shall submit, for the approval of the Faculty of Medicine, a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.
4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in Sub-section 2 of this section, at any period of examination after he has received such degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively medical, and unless his Thesis, in the judgment of the Faculty of Medicine, is of exceptional merit.

#### FEES.

XXIII. The fee to be paid for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

#### EXAMINERS.

XXIV. The Examiners for graduation in Medicine in the University of Glasgow shall be the Professors in that University, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem necessary: Provided that the Court shall make such provisions as will



ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall not be a Professor or Lecturer in the University. The examinations shall be conducted in writing and orally and also clinically, when the nature of the subject admits, under regulations framed by the Senatus subject to the approval of the University Court.

#### DIPLOMA IN PUBLIC HEALTH.

The following are the regulations as to instruction in Public Health and as to examinations for the Diploma in Public Health :—

I. The University provides instruction in Public Health by Laboratory training and otherwise.

II. The subjects of instruction are :—

Duties of Health Officer, Air and Ventilation, Food and its Adulterations, Water and Water Supply, Sewerage and Drainage ; Construction of Hospitals, Public Buildings, and Dwellings ; Overcrowding, Manufactories, Insalubrious Trades, Cemeteries, Nuisances, Quarantine, Disinfectants and Deodorisers, Outbreaks of Zymotic Diseases ; Climate, Topographical and Seasonal : its influences in relation to Health and Disease ; Geographical Distribution of Diseases ; Knowledge of leading Sanitary Acts of Parliament, Vital Statistics.

III. The Laboratory training is provided in a special department of the Chemical Laboratory. Practical instruction is given in the following subjects :—

(a) *Water*.—Qualitative examination : Colour, odour, and suspended matters. Quantitative examination : ammonia, albuminoid ammonia, nitric and nitrous acids, sulphuric and phosphoric acids, chlorine, total solids, lime, magnesia, alkalies, silica in solution, the hardness before and after boiling ; Clark's process for softening water ; explanations and illustrations of methods employed to purify water by chemical processes and by filtration.

(b) *Air*.—Qualitative and quantitative examination for gaseous impurities and suspended matters.

(c) *Water and Air*.—Bacteriological methods of examination. Micro-organisms, moulds, and fungi, and their identification. Pure cultures.

(d) *Soils*.—Nature and examination of soils ; ground-water, sewage.

(e) *Antiseptics and Disinfection*.—The relative value of various antiseptics and disinfectants and the methods of employing them.

(f) *Foods*.—Quantitative examination of milk, butter, tea, coffee, sugar, alcoholic beverages, aerated waters for



poisonous substances. Qualitative examination of bread and flour, of cereal, farinaceous, and other food substances and condiments; chemical and microscopic examination for common adulterations, colouring matters, animal organisms, and poisonous substances; examination of food substances for fungoid growths, and poisonous substances resulting from the same.

(g) *Diseases of Animals*.—The Pathology of Diseases of Animals transmissible to Man.

- IV. The Diploma in Public Health may be obtained by any Bachelor of Medicine of this University on his passing the required examination, provided that a period of not less than twelve months shall have elapsed between his taking the Degree of M.B. and his admission to the examination or any part thereof.
- V. Every candidate for a Diploma in Public Health shall give sufficient evidence by certificates :—
1. That after obtaining the Degree of M.B. he has attended during six months practical instruction in a Laboratory or Laboratories, approved of by the University, in which Chemistry, Bacteriology, and the Pathology of the Diseases of Animals transmissible to Man are taught.
  2. That he has, during a period of six months, after obtaining the Degree of M.B., either practically studied the duties of out-door Sanitary work under the Medical Officer<sup>1</sup> of Health of a County or large Urban District, or else has himself held an appointment as Medical Officer of Health under conditions not requiring the possession of a Special Sanitary Diploma.
  3. That he has attended the Clinical Practice of a Hospital for Infectious Diseases recognised by the University, provided that such a course of instruction may have been taken as part of the curriculum for his Degree of M.B.
- VI. The examination shall be conducted by Examiners specially qualified; it shall be written, practical, and oral; and shall extend over not less than four days, one of which shall be devoted to practical work in a Laboratory, and one to practical examination in, and reporting on, subjects which fall within the special out-door duties of a Medical Officer of Health.

<sup>1</sup> The certificate of an Assistant Officer of Health of a County or a large Urban District may be accepted, provided the Medical Officer of Health of the County or District consents to the Assistant Officer giving such instruction.



The subjects of examination are as follows :—

A. Physics, Meteorology, and Climatology, with special reference to Heat and Ventilation, Water Supply, Drainage, and the Geographical distribution of Disease.

B. Chemistry and Biology.—The composition and analysis (qualitative and quantitative) of Air, Water, and Sewage; detection of Poisons and recognition of Injurious Pigments; the composition and adulteration of Foods and Beverages; Diseased and Putrid Food; Bacteriology; microscopic examination of Air, Water, Foods, and Beverages.

C. General Hygiene.—Duties of Medical Officer of Health; Nature and Construction of Dietaries; Sanitary Arrangements of Houses, Hospitals, Workshops, Factories, Towns, including Interpretation of Plans; Ventilation, Water Supply, Sewerage, Disposal of the Dead; Ætiology, Prophylaxis, and Control of Infectious Diseases; Unhealthy Occupations; Practical Examination and Written Report on some selected Area or Premises.

D. Sanitary Law and Vital Statistics.—Laws relating to Public Health, Vaccination, and Registration of births, marriages, and deaths; Methods and Results of Vital Statistics, chiefly in relation to the birth, marriage, and death rate of communities.

VII. The fee for the course of instruction shall be £10 10s. and for the examination £5 5s.

#### GRADUATION.

The terms for conferring Medical and Surgical Degrees in session 1896-97 are 5th November, 1896; 4th February, 1897; 13th April, 1897; and 22nd July, 1897.

Candidates proceeding to graduation, if not already Members of the General Council of the University, are required by the Act, 44 and 45 Vict., ch. 40, to pay to the Registrar of the General Council the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council. This should in all cases be done at least two clear days before the day of graduation.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath<sup>1</sup> formerly required to be taken and subscribed by every candidate on graduation :—

<sup>1</sup> *The Oath was in these words* :—Testor Deum omnipotentem me hoc Iusjurandum pro virili servaturum; Victus rationem aegris commodam et salutarem praescripturum; nullius intercessione nec sponte noxium pharmacum cuiquam propinaturum; sed sancte et caste vitam artemque meam instituturum; In quascunque domos intravero ad aegrotantium duntaxat salutem ingressurum et ab omni injuria inferenda procul futurum: Quaecunque inter curandum videro audiverove siquidem ea efferre non expediat silentio suppressurum.



I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge. And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

#### REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 1 George Square, Edinburgh. Fee £5., Additional qualifications, 5s. each. Forms of application may be had from the Assistant-Clerk (Matriculation Office).



# TABLE OF EXAMINATIONS FOR DEGREES IN MEDICINE TO BE HELD DURING SESSION 1896-97.

Fees.	Names to be given in and Fees paid to Assistant-Clerk <sup>1</sup> (Matriculation Office). Date. <sup>2</sup>	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed instructions for filling up may be obtained from the Assistant-Clerk <sup>1</sup> (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.
Under the Old Regulations the Fee for each Professional Examination is £5 5s.; under the New, the Fees are—First, £6 6s.; Second, £6 6s.; Third, £5 5s.; Fourth, £5 5s.	17th September, 1896,	{ Mon., 5th Oct., 1896, Chemistry - - 10—12 noon. Zoology - - 12.30—2.30 p.m. Botany - 3—5 p.m.
		Tues., 6th " " Physics - - 10—12 noon.
		Tues., 6th " " Anatomy - - 10—12 noon. Physiology - 12.30—2.30p.m. and Therap. } 3—5 p.m.
		Wed., 7th " " Reg. Anat. (O.R.) 10—12 noon. Med. Jurisp. (N.R.) } 12.30—2.30 p.m. Pathology 3—5 p.m.
	3rd March, 1897,	{ Mon., 22nd Mar., 1897, Chemistry - - 10—12 noon. Zoology - - 12.30—2.30 p.m. Botany - 3—5 p.m.
		Tues., 23rd " " Physics - - 10—12 noon.
		Tues., 23rd " " Anatomy - - 10—12 noon. Physiology - 12.30—2.30p.m. and Therap. } 3—5 p.m.
		Wed., 24th " " Reg. Anat. (O.R.) 10—12 noon. Med. Jurisp. (N.R.) } 12.30—2.30 p.m. Pathology 3—5 p.m.
	11th May, 1897,	{ Mon., 7th June (Clinical Examinations begin). Fri., 2nd July (Operative Surgery Examination begins).
		Mon., 5th July, " Medical Jurisp. (O.R.) at 1 p.m.
		Tues., 6th " " Practice of Medicine at 10 a.m. Pathology (O.R.) - at 1 p.m.
		Wed., 7th " " Surgery - - at 10 a.m. Midwifery - - at 1 p.m.
The Oral Examinations will begin about the 8th July.		

<sup>1</sup> For Women Students, Miss Galloway, Queen Margaret College.

<sup>2</sup> When names are not given in and fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the candidate can be enrolled for examination. A candidate is not held to be enrolled for examination until his name is entered, the fee paid, and all the necessary Certificates, etc., lodged. Every candidate must matriculate at the University for the session in which he enters for professional examination or for graduation.



## APPENDIX.

PRELIMINARY EXAMINATION FOR DEGREES IN  
MEDICINE.

The following is a more detailed notice of the Preliminary Examination for 1896-97, referred to at page 27.

1. ENGLISH will include (*a*) Grammar, (*b*) Composition, (*c*) Literature, (*d*) History, and (*e*) Geography.

(*a*) Grammar will include Analysis, Parsing, Derivation, and Correction of Sentences.

(*b*) Composition will include an Essay and Paraphrasing.

(*c*) Literature—(i.) in October, 1896, will include a general knowledge of the life and works of the greater writers, and a more special knowledge of the works of two or three of these writers. In October, 1896, the subjects prescribed for special study will be—Shakespeare, *Henry the Fifth*, and Scott, *Fair Maid of Perth*. (ii.) In and after April, 1897, Literature will include a knowledge of certain prescribed books of two or three writers, and the amount of prescribed work will therefore be increased. Questions requiring a general knowledge of the life and works of the greater writers will no longer be set; but one or two questions may be set, giving an opportunity to candidates who have read widely in English Literature to show their knowledge. In April and October, 1897, the special subjects will be—Shakespeare, *Coriolanus*; Scott, *Quentin Durward*; Tennyson, *The Princess* and *Enoch Arden*; Macaulay, *Lord Clive*. In April and October, 1898, the special subjects will be—Shakespeare, *The Tempest*; Scott, *Heart of Midlothian*; Milton, *L'Allegro*, *Il Penseroso*, *Arcades*, *Comus*, *Lycidas*; Addison, selections from *Spectator* (Macmillan, ed. Deighton).

N.B.—In October, 1896, alternative papers will be set in English Literature—one on the lines laid down in paragraph (i.), and the other on the lines laid down in paragraph (ii.), the prescribed books being the same for each paper, and candidates may select whichever they prefer.



- (d) History will include a knowledge of one of the three following periods to be taken in successive years, in the order herein mentioned, namely:—The Outlines of the History of both England and Scotland—from the Roman Occupation to the Accession of James I. in 1603 (for October, 1896); from the Accession of James I. in 1603 to the Union of the Parliaments in 1707 (for April and October, 1897); from the Union of the Parliaments in 1707 to the Reform Bill of 1832 (for April and October, 1898).
- (e) Geography will include a general knowledge of the Geography of the World, and a special knowledge of the Geography of the British Empire.

2. LATIN will comprise Grammatical Questions, Translation into English from Latin Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Latin.

N.B.—The papers set in Latin will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The Examination will be—Translation and Parsing, Prose Composition, Grammar, and Sentences.

Candidates are required to satisfy the Examiners both in Composition and in Translation.

3. MATHEMATICS, comprising (1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration. The Joint Board has directed that each question in Geometry shall consist of two parts, of which one shall be an easy deduction or illustrative exercise on the proposition set as bookwork.

N.B.—The papers set in Mathematics will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The paper in Mathematics on the Lower Standard will be devoted to the various subjects comprised in as nearly as possible the following proportions: four-ninths to Geometry, three-ninths to Algebra, and two-ninths to Arithmetic. Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.



## 4. ONE OF THE FOLLOWING SUBJECTS :—

- (A) GREEK, comprising Grammatical Questions, Translation into English from Greek Authors not previously prescribed, and Translation of plain passages or easy sentences from English into Greek.

N.B.—The papers set in Greek will be the same as those set on the Lower Standard in the Arts Preliminary Examination.

The Examination will be—Translation, Sentences, and Grammar.

- (B) FRENCH, comprising Grammatical, Literary, and easy Philological Questions, Translation into English from French Authors not previously prescribed, and Translation from English into French.

N.B.—The papers set in French will be of a lower standard than those set in the Arts Preliminary Examination.

Two papers will be set in French; the first paper will contain a passage for translation from English into French, with some short sentences of an idiomatic character; the second paper will contain a set of grammatical questions, two passages for translation into English (one in verse, one in prose), and a selection of literary, philological, or historical questions, from which the candidate will be allowed to choose *one only*.

- (C) GERMAN, comprising Grammatical, Literary, and easy Philological Questions, Translation into English from German Authors not previously prescribed, and Translation from English into German.

N.B.—The papers set in German will be of a lower standard than those set in the Arts Preliminary Examination.

Two papers will be set in German; the first paper will contain a passage for translation from English into German, with some short sentences of an idiomatic character; the second paper will contain a set of grammatical questions, two passages for translation into English (one in verse, one in prose), and a selection of literary, philological, or historical questions, from which the candidate will be allowed to choose *one only*.

Candidates are requested specially to note—

- (1) THAT, EXCEPT AS PROVIDED AT PAGE 28, THE ENTIRE EXAMINATION MUST BE PASSED AT ONE AND THE SAME TIME.
- (2) THAT THE EXAMINATIONS IN LATIN, GREEK, FRENCH, AND GERMAN WILL BE WHOLLY ON "UNSEEN" BOOKS, NO SPECIAL AUTHORS HAVING BEEN PRESCRIBED BY THE JOINT BOARD.

The Examinations will take place as follows :—



## SATURDAY, 26th SEPTEMBER, 1896.

English (1st paper),	-	-	-	-	9 a.m. to 11 a.m.
English (2nd paper),	-	-	-	-	12 noon to 2 p.m.
English, New Model,	-	-	-	-	9 a.m. to 12 noon.
Greek,	-	-	-	-	3 to 6 p.m.

## SATURDAY, 27th MARCH, 1897.

English,	-	-	-	-	9 a.m. to 12 noon.
Greek,	-	-	-	-	3 to 6 p.m.

## MONDAY, 28th SEPTEMBER, 1896, and 29th MARCH, 1897.

Latin,	-	-	-	-	9 a.m. to 12 noon.
Mathematics,	-	-	-	-	2 to 5 p.m.

## TUESDAY, 29th SEPTEMBER, 1896, and 30th MARCH, 1897.

French,	-	-	-	-	3 to 6 p.m.
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## WEDNESDAY, 30th SEPTEMBER, 1896, and 31st MARCH, 1897.

German,	-	-	-	-	3 to 6 p.m.
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Forms of Application for admission to the Examinations may be had, after 1st September and 1st March, from Miss GALLOWAY, Secretary at Queen Margaret College. THE LAST DAYS FOR RECEIVING NAMES ARE 10TH SEPTEMBER, 1896, AND 8TH MARCH, 1897. *Late Entries cannot, under any circumstances, be received.*

The Fee for the Examination is 10s. 6d., payable on each occasion of entering. All fees for women students are payable at Queen Margaret College.

The results will not be known till, at earliest, 17th October, 1896, and 16th April, 1897.

## REGISTRATION.

By the regulations of the General Medical Council no period of study taken more than fifteen days before registration can be recognised. The Registrar for Scotland is Mr. James Robertson, Solicitor, 1 George Square, Edinburgh. In order to obtain registration the student must transmit to him a printed form of application, which may be obtained from the Secretary at Queen Margaret College; also a Certificate of having passed the Preliminary Examination. This should be done immediately after the commencement of medical study.



## SCHOLARSHIPS AND BURSARIES.

The Mackintosh Mental Science Bursary, value about £30, tenable for one year, is open for competition to Matriculated Students of Medicine who have attended the Lectures on Insanity.

The Universities Commissioners have made the following Ordinance regarding University Bursaries, Scholarships, and Fellowships :—

II. ORDINANCE NO. 58. [GENERAL, NO. 20. — REGULATIONS FOR ADMITTING WOMEN TO BURSARIES, SCHOLARSHIPS, AND FELLOWSHIPS.]

*At Edinburgh, the Thirtieth day of July, Eighteen hundred and ninety-four years.*

WHEREAS, etc. : Therefore the Commissioners under the first-mentioned Act statute and ordain as follows :—

I. (1) It shall be in the power of the University Court in each University, after consultation with the Senatus Academicus, to make regulations from time to time for the purpose of appropriating for competition without restriction as to sex, or for competition among women students only who are proceeding to a degree in any Faculty, such number, if any, of open bursaries, which have taken effect prior to the 30th day of August, 1864, as the University Court may think fit : Provided always (a) that the Court and the Senatus in each University shall, in making such regulations, have regard to the number of bursaries in that University specially appropriated to women by the terms of the deeds of foundation ; (b) that no bursary shall be appropriated to students in any other Faculty than that to which it is at present attached, except under Section III. of Ordinance [General, No. 19.—Regulations as to Bursaries, Scholarships, and Fellowships].

(2) It shall be in the power of the University Court of each University, in like manner, to open to competition, without restriction as to sex, such number, if any, of scholarships or fellowships tenable by graduates, which have taken effect prior to the 30th day of August, 1864, as the said Court may think fit.

II. Save as hereinbefore provided, women shall not be allowed to compete for or hold any bursary, scholarship, or fellowship, which is not expressly open to competition by women by the terms of the deed of foundation.

III. Women competing for bursaries, scholarships, or fellowships under the provisions of this Ordinance shall be subject to all the provisions prescribed by Ordinance [General, No. 19.—Regulations as to Bursaries, Scholarships, and Fellowships].



IV. This Ordinance shall come into force from and after the first day of January, 1895, or as soon thereafter as it shall be approved by Her Majesty in Council: Provided that nothing herein contained shall extend to, or affect the interests of, any person holding a bursary, scholarship, or fellowship at the date of its coming into force. [Approved on 11th May, 1895.]

*In Witness whereof these presents are sealed with the Seal of the Commission.*

A. S. KINNEAR, *Chairman.*

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## NEW BUILDINGS FOR THE ANATOMICAL AND PHYSIOLOGICAL DEPARTMENTS.

At the beginning of the Winter Session 1895-6 the New Anatomical Department was opened. It consists of a handsome two-storied building, separate from the rest of the College, but within its grounds.

On the ground floor are the Lecture Room, Dissecting Room, Museum, Lecturer's Room, and Students' Cloak Room, with lavatories attached, all opening off the vestibule, from which also a turret staircase gives access to the upper floor.

The Dissecting Room measures 48 by 28 feet; it is very airy, and is well lighted by means of a factory roof with north light only. The Lecture Room is placed parallel with the Practical Room, and communicates with it by a double door. It measures 25 feet by 24 feet, and is seated in theatre fashion, the seats rising in a sharp gradient. It is lighted from the north, the light being so arranged that it is concentrated on the area, black-boards, and diagram screens. There is also a permanent screen on the wall for lantern demonstrations.

Under the seats of the Theatre, and opening from the Dissecting Room, is a private work-room; and a dark room for photography opens off it.



The Museum measures 33 feet long by 24 feet broad and 38 feet high, and is provided with a gallery. It is lighted from the roof, as well as by small windows below the gallery. It is fitted up as a bone-room, and equipped with preparations and models, and types of comparative osteology. The private room of the Lecturer on Anatomy is placed between the Dissecting Room and the Museum, and communicates with both.

On the second storey is a large Microscope Room, 20 feet by 19 feet, lighted on two sides, and fitted both for Microscopic demonstrations and for the regular Histology Class. There is also a private room for the Professor of Physiology communicating with the gallery of the vestibule and the gallery of the Museum.

Besides these there is a spacious basement, comprising preparation rooms, workshops and stores, connected with the upper building by a lift.

The building is heated throughout with hot pipes, and ventilated in the most approved fashion by means of an air chamber round the furnace chimney.

The funds for this new building and its equipment were provided by a gift of £5000 from the Bellahouston Trust, presented to the University for the purpose.

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

The Class and Hospital Fees, for the subjects enjoined by Ordinance as constituting a Five Years' Course of Study and Clinical Work, will amount to about £96 12s.

To this may be added the University matriculation fees, viz., £1 1s. for each of five years, and the Fees for the Degree Examination (page 44).



CURRICULUM FOR M.B. AND CH.B. OF GLASGOW  
UNIVERSITY.

Students who propose taking these Degrees may begin their medical studies either in April or in October. Those who enter the College at the commencement of the Winter Session may with advantage arrange their course as follows:—

FIRST YEAR.—*Winter Session*—

Physics, - - - - -	£3 3 0
Chemistry, - - - - -	3 3 0
Practical Chemistry, - - -	3 3 0
Anatomy (Junior), - - -	3 3 0
	————— £12 12 0

*Summer Session*—

Practical Anatomy, - - -	£2 2 0
Zoology, - - - - -	3 3 0
Botany, - - - - -	3 3 0
Practical Zoology and Practical Botany optional (fee for each, £3 3s.).	
	————— 8 8 0
	————— £21 0 0

(First Professional Examination.)

SECOND YEAR.—*Winter Session*—

Anatomy (Senior), - - -	3 3 0
Practical Anatomy, - - -	3 3 0
Physiology, - - - - -	3 3 0
	————— £9 9 0

*Summer Session*—

Practical Anatomy with Em- bryology, - - - - -	3 3 0
Practical Physiology, - - -	3 3 0
Practical Pharmacy, - - -	3 3 0
	————— £9 9 0
	————— £18 18 0



THIRD YEAR.—*Winter Session*—

Pathology, - - -	£3 3 0	
Practical Anatomy, - - -	3 3 0	
Materia Medica, - - -	3 3 0	
Surgery, - - -	3 3 0	
Clinical Surgery (see Hospital).		
Hospital Fee, 1st year, - -	10 10 0	
	<hr/>	£23 2 0

(Second Professional Examination.)

*Summer Session*—

Practical Pathology, - -	£3 3 0	
Clinical Surgery (see Hospital).		
	<hr/>	£3 3 0
		<hr/>
		£26 5 0

FOURTH YEAR.—*Winter Session*—

Medicine, - - -	£3 3 0	
Clinical Medicine (see Hospital).		
Midwifery, - - -	3 3 0	
Hospital Fee, final, - -	10 10 0	
Dispensary Practice (see Hospital).		
	<hr/>	£16 16 0

(Third Professional Examination.)

*Summer Session*—

Forensic Medicine, - - -	£3 3 0	
Operative Surgery, - - -	2 2 0	
Diseases of the Eye and Clinique, - - -	2 2 0	
Maternity Hospital Fee, - -	2 2 0	
Practical Midwifery (see Mater- nity Hospital).		
Clinical Medicine (see Hospital).		
Dispensary (see Hospital).		
Diseases of the Ear (optional, but recommended, fee, £1 1s.).		
	<hr/>	£9 9 0
		<hr/>
		£26 5 0



## FIFTH YEAR.

Lectures on Insanity and				
Clinique, - - - -	£2	2	0	
Clinical Medicine (see Hospital).				
Clinical Surgery ( do. ).				
Dispensary ( do. ).				
Instruction in Fevers, - -	1	1	0	
Vaccination, - - - -	1	1	0	
	<hr/>			£4 4 0
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				£96 12 0
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(Final Examination.)

*The fifth year must be devoted to practical work.*


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HALL OF RESIDENCE FOR STUDENTS.

A House of Residence for women students, Queen Margaret Hall, situated near the College, was opened in October, 1894. For information regarding terms, etc., which will be found in a separate prospectus, application may be made to MISS GALLOWAY, Queen Margaret College, Glasgow, or to the LADY SUPERINTENDENT, Queen Margaret Hall, Bute Gardens, Glasgow.

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STUDENTS' SOCIETIES.

Queen Margaret College Students' Representative Council.

Hon. Secretaries { MISS KATHERINE T. MACMILLAN.  
MISS MABEL ATKINSON.

Queen Margaret College Students' Union.

Hon. Secretary—MISS MARION RUTHERFURD.

Queen Margaret College Literary and Debating Society.

Hon. Secretary—MISS MARGARET J. GRAHAM.

Queen Margaret College Christian Union.

Hon. Secretary—MISS MARGARET W. H. M'NEIL.

Queen Margaret College Medical Club.

Hon. Secretary—MISS GRACE L. YOUNG.

Queen Margaret College Tutors' Association.

Hon. Secretary—MISS E. P. TAYLOR.













