

## **REGULATIONS FOR THE DEGREE OF MASTER OF RESEARCH IN MEDICINE (MRes[Med])**

*(See also General Regulations)*

Any publications based on work approved for a higher degree should contain a reference to the effect that the work was submitted to the University of Hong Kong for award of the degree.

The degree of the Master of Research in Medicine (MRes[Med]) is a postgraduate degree awarded for the satisfactory completion of a course of study in the Faculty of Medicine.

### **M43 Admission requirements**

To be eligible for admission to the courses leading to the degree of Master of Research in Medicine a candidate

- (a) shall comply with the General Regulations; and
- (b) shall either
  - (i) have completed the third year of the curriculum for the degrees of Bachelor of Medicine and Bachelor of Surgery and shall have passed the Third Examination for those degrees, if admitted under JUPAS to that curriculum; or
  - (ii) have completed the second year of the curriculum for the degrees of Bachelor of Medicine and Bachelor of Surgery and shall have passed the Second Examination for those degrees, if admitted under the non-JUPAS channel to that curriculum, and already in possession of a Bachelor Degree with Honours, or equivalent, in a science subject.

### **M44 Award of degree**

To be eligible for the award of the degree of the Master of Research in Medicine a candidate

- (a) shall comply with the General Regulations;
- (b) shall complete the requirements for the award of the degrees of Bachelor of Medicine and Bachelor of Surgery; and
- (c) shall complete the curriculum and satisfy the examiners in accordance with the regulations set out below.

### **M45 Length of curriculum**

The curriculum shall extend over not less than one academic year of full-time study and such additional periods as may be prescribed.

### **M46 Completion of curriculum**

To complete the curriculum, a candidate

- (a) shall follow instruction in the syllabuses prescribed for the course and complete satisfactorily all required written, practical or clinical work;
- (b) shall satisfy the examiners in the course by continuous assessments or by written examinations; and
- (c) shall complete and present a satisfactory dissertation on an approved research project. The examiners may also prescribe an oral examination.

**M47 Course selection**

Selection of study patterns shall be made in consultation with the candidate's Supervisor and be subjected to approval by the Head of Department under which the candidate is registered.

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**M48 Title of dissertation**

The title of the dissertation shall be submitted for approval before the end of the academic year, and the dissertation shall be presented not later than the end of the tenth semester of the curriculum of the degrees of Bachelor of Medicine and Bachelor of Surgery. The candidate shall submit a statement that the dissertation represents his own work undertaken after registration as a candidate for the degree. The examiners may also prescribe an oral examination on the subject of the dissertation.

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**M49 Examinations**

- (a) A candidate who has failed to satisfy the examiners in a course of instruction shall be recommended for discontinuation of studies under the provision of General Regulation G12.
  - (b) A candidate who has failed to satisfy the examiners in the examination of the dissertation, but have satisfactorily completed the prescribed written, practical or clinical work, may be permitted to resubmit the dissertation and to re-present it within a specified period not more than four months after receipt of a notice that it is unsatisfactory.
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**M50 Examination results**

At the conclusion of the examination and after presentation of the dissertations, the names of successful candidates shall be published alphabetically.

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**SYLLABUS FOR THE DEGREE OF  
MASTER OF RESEARCH IN MEDICINE**

1. The educational objectives of the MRes(Med) are that upon the completion of the curriculum, a candidate will have
  - (a) completed a structured training programme on clinical and/or laboratory oriented research;
  - (b) demonstrated by the presentation of a dissertation that he/she has acquired an acceptable knowledge and understanding in the field of study; and
  - (c) be capable of engaging in research effectively.
2. The MRes(Med) curriculum shall consist of coursework and a dissertation project. A candidate will be required to undertake a minimum of 408 hours of prescribed work, comprising a minimum of 168 hours of coursework and a minimum of 240 hours of hands-on research training leading to a dissertation of not more than 20,000 words. The selection of study pattern shall be made in consultation with the candidate's Supervisor and be subjected to approval by the Head of the Department under which the candidate is registered.
3. A minimum of 168 hours of coursework (24 hours each) shall be selected from the following:

Department	Course Code	Course Title	
Anatomy	MMPH6101	Current Topics in Morphological Sciences	
	MMPH6149	Current Morphological Techniques in Cellular Functions	
Biochemistry	MMPH6005	Practical Bioinformatics	
	MMPH6008	Genes and Gene Functions	
	MMPH6011	Working with Genes and Proteins	
	MMPH6134	Biochemistry Seminar	
Community Medicine	MMPH6002	Statistical Methods	
	MMPH6003	Epidemiology and Critical Appraisal	
	MMPH6006	Evidence Based Practice : An Introduction to Clinical Epidemiology and Decision Analysis	
	MMPH6014	Biological Basis of Common Health Problems	
	MMPH6106	Advanced Epidemiological Methods	
	MMPH6107	Epidemiology of Important Health Conditions	
	MMPH6108	The Principles of Public Health	
	MMPH6109	Psychosocial Issues in Health and Illness	
	MMPH6114	Quality Health Care	
	MMPH6115	Health Services Management	
	MMPH6116	Health Economics for Public Health	
	MMPH6117	Advanced Statistical Methods I	
	MMPH6141	Health and Society	
	MMPH6146	Health Care Systems and Policy	
	MMPH6150	Advanced Statistical Methods II	
	MMPH6151	Clinical Interpersonal Skills	
	MMPH6152	Financial Management	
	MMPH6153	Fundamental Psychosocial Aspects of Cancer	
	MMPH6154	Health Promotion and Health Education	
	MMPH6155	Palliative Care and Bereavement	
	MMPH6156	Psychological Aspects in the Management of Common Clinical Problems	
	MMPH6157	Research Methods in Health Care	
	MMPH6158	The Practice of Administrative Medicine	
	MMPH6159	The Practice of Public Health	
	MMPH6163	Infectious Disease Surveillance and Modeling	
	MMPH6164	Risk: Perception, Decision and Communication	
	MMPH6167	Infectious disease surveillance and epidemiology	
	MMPH6168	Infectious disease modelling	
	MMPH6169	Practical data analysis using R and statistical inference	
	MMPH6170	Health care financing	
	MMPH6173	Public Health Genetics	
	Microbiology	MMPH6119	Current Topics in Medical Microbiology
	Obstetrics & Gynaecology	MMPH6120	Assisted Reproduction Technology (Laboratory)
MMPH6122		Obstetric and Gynaecological Ultrasonography	
MMPH6147		Research Seminars in Obstetrics and Gynaecology	
Orthopaedics & Traumatology	MMPH6124	Basic Medical Bioengineering	
	MMPH6148	Advanced Seminars in Orthopaedic Research	
Pathology	MMPH6001	Laboratory Methods and Instrumentation	
	MMPH6016	General Cytopathology	
	MMPH6020	Molecular Medicine	
	MMPH6021	Introduction to Contemporary Biomedical Ethics	

Department	Course Code	Course Title
	MMPH6139	Techniques and Applications of Molecular Pathology
	MMPH6140	Molecular Genetics and Cytogenetics of Cancer
	MMPH6176	Current topics and Techniques in Immunology
Pharmacology	MMPH6127	Principles of Drug Action
	MMPH6128	Therapeutic Strategies for the Management of Cardiac and Respiratory Diseases
	MMPH6129	Basic and Applied Toxicology
	MMPH6172	Advances in Vascular Biology and Therapeutics
Pharmacology/ Physiology	MMPH6130	Advances in Gastrointestinal Physiology and Pharmacology
Physiology	MMPH6007	Cell Biology
	MMPH6009	Concepts of Human Physiology
	MMPH6010	Biomedical Writing for Young Investigators
	MMPH6019	Advances in Cardiovascular Physiology
	MMPH6136	Selected Topics in Endocrinology and Reproduction
	MMPH6143	Physiology Seminars
Surgery	MMPH6138	Laboratory Animal Handling and Surgical Techniques
Clinical Trials Centre	MMPH6004	Introduction to Clinical Trials Research Methodology
	MMPH6012	Statistical Practice in Clinical Trials
	MMPH6013	Critical Appraisal and Meta-analysis of Clinical Trials
	MMPH6015	Good Clinical Practice (GCP) and Study Site Operation
	MMPH6017	Introduction to SAS
	MMPH6018	Advanced Course in SAS
HKU-Pasteur Research Centre	MMPH6171	Pasteur-Asia Virology Course
	MMPH6174	Pasteur-Asia Immunology Course
	MMPH6175	Pasteur-Asia Molecular Biology of the Cell Course