

## **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.

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### **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.
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### **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.
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### **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.

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

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 528 hours of prescribed work, comprising a minimum of 168 hours of coursework and a minimum of 360 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. The coursework component requires candidates to complete:
  - (a) the compulsory course, MMPH7101 Research Ethics for Graduate Students (24 hours); and
  - (b) a minimum of 144 hours of coursework (24 hours each) from the following:

Department	Course Code	Course Title
Anatomy	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
Medicine	MMPH6196	Cell Metabolism
	MMPH6205	Current Therapeutic Strategies for Metabolic Diseases
Microbiology	MMPH6119	Current Topics in Medical Microbiology
Obstetrics & Gynaecology	MMPH6120	Assisted Reproduction Technology (Laboratory)
	MMPH6147	Research Seminars in Obstetrics and Gynaecology
	MMPH6186	Research Methodologies 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
	MMPH6139	Techniques and Applications of Molecular Pathology
	MMPH6140	Molecular Genetics and Cytogenetics of Cancer
Pharmacology & Pharmacy	MMPH6176	Current Topics and Techniques in Immunology
	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
	MMPH6185	Advanced Drug Delivery and Drug Development

Department	Course Code	Course Title
Physiology	MMPH6007	Cell Biology
	MMPH6009	Concepts of Human Physiology
	MMPH6019	Advances in Cardiovascular Physiology
Psychiatry	MMPH6192	Course and Outcome of Psychotic Disorders
	MMPH6193	Critical Appraisal and Evidence-based Approaches in Psychosis
	MMPH6194	Neurocognitive Dysfunctions in Psychosis
	MMPH6195	Neurobiological Processes in Psychosis
	MMPH6197	Clinical Decision Making in Psychotic Disorders
	MMPH6198	Descriptive Psychopathology
	MMPH6199	Early Intervention for Psychosis
	MMPH6200	Introduction to Psychotic Disorders: Epidemiology and Aetiology
	MMPH6201	Pharmacological Interventions for Psychosis
	MMPH6202	Psychosis and Society: Stigma, Legal and Ethical Issues
	MMPH6203	Psychosocial Interventions for Psychosis
	MMPH6204	Specialized Case Intervention for Psychosis
Surgery	MMPH6138	Laboratory Animal Handling and Surgical Techniques
School of Chinese Medicine	MMPH6187	Current Research and Development of Chinese Medicines
School of Public Health	MMPH6002	Introduction to Biostatistics
	MMPH6003	Introduction to Epidemiology
	MMPH6006	Evidence Based Practice : An Introduction to Clinical Epidemiology and Decision Analysis
	MMPH6106	Advanced Epidemiological Methods
	MMPH6107	Epidemiology of Important Health Conditions
	MMPH6108	Principles of Public Health
	MMPH6109	Psychosocial Issues in Health and Illness
	MMPH6115	Principles of Healthcare Management
	MMPH6116	Health Economics for Public Health
	MMPH6117	Advanced Statistical Methods I
	MMPH6141	Health and Society
	MMPH6146	Health Policy and Politics
	MMPH6150	Advanced Statistical Methods II
	MMPH6154	Health Promotion and Health Education
	MMPH6157	Research Methods in Health Care
	MMPH6158	Perspectives in Health Care Management
	MMPH6159	The Practice of Public Health
	MMPH6164	Risk: Perception, Decision and Communication
	MMPH6167	Infectious Disease Epidemiology
	MMPH6168	Infectious Disease Modelling
	MMPH6170	Resources for Health
	MMPH6173	Introductory to Public Health Genomics
	MMPH6177	Statistical Inference Using R
	MMPH6178	Health Informatics
	MMPH6179	Public Health Leadership
	MMPH6180	Public Health Law and Ethics
	MMPH6181	Public Health Nutrition
	MMPH6182	Health Communication

Department	Course Code	Course Title
	MMPH6183	Human Resources (HR) in Health Care Organisations
	MMPH6188	Environmental Health Assessments
	MMPH6189	Environmental Health Hazards and Interventions
	MMPH6190	Environmental and Occupational Epidemiology
	MMPH6206	Emerging Infectious Diseases: The “One Health” Concept
	MMPH6207	Infectious Diseases in Public Health
	MMPH6208	Measurement in Health
	MMPH6209	Qualitative Health Research
	MMPH6210	Advanced Epidemiological Methods (II)
	MMPH6171	HKU - Pasteur Virology Course
HKU-Pasteur Research Centre	MMPH6174	HKU - Pasteur Immunology Course
	MMPH6175	HKU - Pasteur Cell Biology Course

Remarks: The above information is subject to change. For most updated information, please visit <http://www.med.hku.hk/images/document/03edu/research/full-list.html>.