

## **REGULATIONS FOR THE DEGREE OF MASTER OF SCIENCE IN INTERDISCIPLINARY DESIGN AND MANAGEMENT (MSc[IDM])**

*These regulations and syllabuses apply to students admitted in the academic year 2010-2011 and thereafter.*

*(See also General Regulations)*

1. Any publication 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 the award of the degree.
  2. The use of the words 'he' and 'his' in the following text shall be taken as 'he or she' and 'his or her', respectively.
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### **Admission requirements**

**Ar251** To be eligible for admission to the curriculum leading to the Master of Science in Interdisciplinary Design and Management, a candidate shall

- (a) comply with the General Regulations;
  - (b) hold a Bachelor degree in a relevant field of this University or from a comparable institution accepted for this purpose;
  - (c) produce proof of relevant work experience (normally a minimum of two years post-degree practical experience in design, procurement, construction, policy-making or management of buildings, projects or urban districts, or an approved related industry field), including curriculum vitae and at least one letter of reference from a relevant employer or other as determined by the Programme Director;
  - (d) be fluent in both spoken and written English; and
  - (e) satisfy the examiners in a qualifying examination if required.
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### **Qualifying examination**

**Ar252**

- (a) A qualifying examination may be set to test a candidate's formal academic ability or his ability to follow the courses of study prescribed; such an examination shall consist of one or more written papers or their equivalent and may include a project report.
  - (b) A candidate who is required to satisfy the examiners in a qualifying examination shall not be permitted to register until he has satisfied the examiners in the examination.
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### **Award of Master degree**

**Ar253** To be eligible for the award of the Master of Science in Interdisciplinary Design and Management, a candidate shall

- (a) comply with the General Regulations; and
  - (b) complete the curriculum and satisfy the examiners in accordance with the regulations set out below.
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### **Length of curriculum**

**Ar254**

- (a) The curriculum shall extend over two academic years of part-time study, with a minimum of 300 hours of prescribed work; and

- (b) To complete the curriculum, a candidate
- (i) shall follow courses of instruction and complete satisfactorily all prescribed written work and practical work where appropriate;
  - (ii) shall satisfy the examiners in all prescribed modules in any prescribed form of examination;
  - (iii) shall satisfy the examiners in attendance at workshops and in the production and content of the logbook; and
  - (iv) shall satisfy the examiners in the production and content of the dissertation.
- The examiners may at their discretion prescribe an oral examination in any module or on the dissertation.
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## **Attendance**

### **Ar255**

- (a) All courses are compulsory as in the curriculum prescribed;
  - (b) In the first year, a candidate must attend the Introductory Workshop and all other workshops sessions for year 1; and
  - (c) In the second year, a candidate must attend all workshop sessions for year 2.
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## **Logbook**

### **Ar256**

- (a) The Logbook forms part of the examination requirements in the first year of study for advancement to the second year, and forms part of the examination requirements in the second year for graduation;
  - (b) The Logbook shall be assessed to demonstrate a candidate's satisfactory integration of the course material with his practical experience;
  - (c) A candidate of the part-time programme shall submit his first year Logbook no later than six weeks after the end of the second semester; and
  - (d) At the end of his second year, a candidate shall submit his Logbook (parts I and II) for review and assessment by the examiners, together with a statement that the Logbook represents his own work undertaken after his registration as a candidate for the degree.
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## **Master's dissertation submissions**

### **Ar257**

- (a) All candidates must attend the research methods/dissertation workshop; and
  - (b) The title of the dissertation shall be submitted for approval not later than four months before the start of the final academic semester of study, and the dissertation shall be presented not later than twelve months after the start of the final academic semester of study. The candidate shall submit a statement that the dissertation represents his own work undertaken after the registration as a candidate for the degree.
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## **Examinations**

### **Ar258**

- (a) A candidate who has failed to satisfy the examiners in more than three modules at the first attempt (for which purpose, the integration workshop constitutes one module) shall be recommended for discontinuation of studies under the provisions of General Regulation G12. A candidate who has failed to satisfy the examiners in not more than three modules at the first attempt may be permitted to present himself for re-examination in the modules of

failure; and should he again fail to satisfy the examiners in any module at the second attempt he shall be recommended for discontinuation of studies under the provisions of General Regulation G12.<sup>1</sup>

- (b) A candidate who has failed to present a satisfactory Logbook may be permitted, subject to his performance in coursework examinations, to revise and re-submit the Logbook within a specified period as determined by the examiners before he is allowed to proceed to the second year of study (Logbook regarding to the first year), or to graduate (Logbook regarding to the second year); and
- (c) A candidate who has failed to satisfy the examiners in the Integration Workshops, but has satisfactorily completed all other parts of the curriculum, may be permitted to attend an interview with the examiners and to produce a report to the satisfaction of the examiners, at a second and final attempt, failing which he must repeat the entire year before he is allowed to proceed to the second year of study, or to graduate.

**Ar259** A candidate who has presented an unsatisfactory dissertation, but has satisfied the examiners at the written examination or re-examination, may be permitted to revise the dissertation and to re-present it within a specified period to be determined by the Board of Examiners; or he may be recommended for discontinuation of studies under the provisions of General Regulation G12.

### Examination results

**Ar260** At the conclusion of the examination, a pass list of candidates awarded the Master of Science in Interdisciplinary Design and Management (MSc[IDM]) shall be published. A candidate who has shown exceptional merit at the whole examination process may be awarded a mark of distinction and this mark shall be recorded in the candidate's degree certificate.

## SYLLABUSES FOR THE DEGREE OF MASTER OF SCIENCE IN INTERDISCIPLINARY DESIGN AND MANAGEMENT

### CORE COURSES

#### **RECO6004. Construction economics**

This module examines the following aspects in construction economics: Building cost control, life cycle costing, design economics, introduction to modelling, cost modelling - techniques, problems and recent developments, the Hong Kong construction industry, cost, price, value and competition.

#### **RECO6005. Contract strategies and project management techniques**

This module examines risk management, contract strategies, organization form, relational contracting, planning techniques, value management, quality management, operations research, sustainable construction.

Co-requisite: RECO6006 Management theory and construction projects

<sup>1</sup> Notwithstanding a pass in a module at the second attempt, failure in that module at the first attempt shall still count as failure in one module.

**RECO6006. Management theory and construction projects**

This module examines the fundamental knowledge in management theory and its application in construction procurement: the project organization, management, schools of thought, the project life cycle, organization structure, team roles, case studies of projects, project management tools.

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**RECO6013. Real estate investment and finance**

This module introduces real estate investments as part of the universe of investment opportunities. It further covers real estate investment decision-making under uncertainty. Principles of real estate investment and development project finance are also covered.

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**RECO6029. Information management in construction**

This module covers the concepts of information management, business information systems and computerization in the construction industry. It introduces the principles and applications of systems analysis and design. It also focuses on special IT applications in construction including computer-aided design and multimedia systems.

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**RECO6042. Law for the real estate and construction industry**

This module provides a study of the law relating to the real estate development and construction processes: Acquisition, ownership, management and disposal of land and real estate; town planning; finance of development; building contracts (standard forms, comparative studies); revenue law and the real estate market; agency law; alternative dispute resolution movement.

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**RECO9107. Integration workshop I****RECO9109. Integration workshop II**

This module comprises one introductory workshop (of one weekend) plus eight workshop sessions of two days each (normally a weekend) in which the subject matter studied formally in taught modules is addressed in an integrational context, including the industry environment and work experiences of course participants. The sessions are structured in 'loose pairs' in which prospective integrational issues form the focus of the first session and reflective practice analysis of integration is the focus of the second; coursework assignments concerning integration issues and/or problems are completed in the periods between the paired sessions as presentations and discussions of the findings form an important component of the second session for each pairing. Attendance at all workshop sessions is mandatory.

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**RECO9108. Logbook I****RECO9110. Logbook II**

The production of the logbook forms a continuous activity during both years of the course to record and demonstrate assimilation of requirements and issues pertaining to integration of course material, people, processes and products in the realisation and use of the built environment. The logbook is produced using both course materials and workplace experiences which include critical discussions relating to integration. The logbook must be submitted as prescribed in the Regulations.

**RECO9206. Dissertation**

Each candidate must complete a dissertation, of minimum 20,000 words, on an approved topic relevant to the curriculum. Normally, the dissertation will be completed during the second year of study following attendance at the dissertation/research methods workshop.