

## **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 2014-15 academic year and thereafter.*

*(See also General Regulations)*

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.

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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

- (a) shall comply with the General Regulations;
  - (b) shall hold a Bachelor degree in a relevant field of this University or from a comparable institution accepted for this purpose;
  - (c) shall 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 field), including curriculum vitae and at least one letter of reference from a relevant employer or other as determined by the Programme Director;
  - (d) shall be fluent in both spoken and written English; and
  - (e) shall 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/her ability to follow the course 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/she 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

- (a) shall comply with the General Regulations; and
  - (b) shall 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. The maximum period of registration is three years.
- (b) To complete the curriculum a candidate
  - (i) shall follow course of instruction and complete satisfactorily all prescribed written work and practical work where appropriate;
  - (ii) shall satisfy the examiners in all prescribed courses in any prescribed form of assessment; and
  - (iii) shall satisfy the examiners in attendance at workshops and in the production and content of the logbook in the manner specified in these regulations and syllabuses in 72 credits of prescribed courses and integration workshops.

The examiners may at their discretion prescribe an oral examination in any course or on the dissertation.

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## **Logbook**

### **Ar255**

- (a) The logbook forms part of the assessment requirements in the first year of the curriculum for advancement to the second year and part of the assessment requirements in the second year for graduation.
  - (b) The logbook shall be assessed to demonstrate a candidate's satisfactory integration of the course materials with his/her practical experience.
  - (c) A candidate of the part-time curriculum shall submit his/her logbook for interim assessment at the end of the second semester of the first year of the curriculum.
  - (d) At the end of the second semester of the second year, a candidate shall submit his/her logbook for review and assessment by the examiners, together with a statement that the logbook represents his/her own work undertaken after his/her registration as a candidate for the degree.
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## **Dissertation**

### **Ar256**

The title of the dissertation shall be submitted for approval not later than four months before the start of the first semester of the second year of the curriculum, and the dissertation shall be presented by the end of the last date of teaching of the second year of the curriculum. The candidate shall submit a statement that the dissertation represents his/her own work undertaken after registration as a candidate for the degree.

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## **Assessment**

### **Ar257**

- (a) A candidate shall be recommended for discontinuation of studies under the provisions of General Regulation G12 if he /she has:
  - (i) failed to satisfy the examiners in three courses or more in any semester; or
  - (ii) failed to satisfy the examiners of any one course at the third attempt; or
  - (iii) failed to complete the curriculum by the end of the maximum period of registration .

- (b) A candidate who has failed to satisfy the examiners in fewer than three courses in any semester must repeat the prescribed course(s).
- (c) A candidate who has failed to present a satisfactory logbook may be permitted, subject to his/her performance in coursework and/or examinations, to revise and re-submit the logbook within a specified period as determined by the examiners before he/she is allowed to proceed to the second year of the curriculum, or to graduate.
- (d) 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/she must repeat the entire year before he/she is allowed to proceed to the second year of the curriculum, or to graduate.

#### **Ar258**

A candidate who has presented an unsatisfactory dissertation, but has satisfied the examiners at the written assessment or re-assessment, 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/she may be recommended for discontinuation of studies under the provisions of General Regulation G12.

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#### **Assessment results**

##### **Ar259**

At the conclusion of the assessment, a pass list of candidates awarded the Master of Science in Interdisciplinary Design and Management [MSc(IDM)] shall be published. Candidates who have shown exceptional merit at the whole assessment process may be awarded a mark of distinction or credit and this mark shall be recorded in the candidate's degree diploma.

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#### **Advanced Standing**

##### **Ar260**

A candidate may be given advanced standing for up to 3 courses or 18 credits on the ground that equivalent courses or subjects have been passed at another university or comparable institution accepted by the faculty for this purpose, provided that no candidate shall be eligible for the award of the degree set out in these regulations without having completed at least 54 credits in this curriculum.

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

**CORE COURSES**

**Mode of Assessment**

All courses will be assessed by examination (60%-80%) and continuous coursework assessment (20%-40%), unless otherwise specified.

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**RECO6004 Construction economics (6 credits)**

This course 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.

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**RECO6027 Business process engineering (6 credits)**

This course covers the concepts of business process engineering and reengineering. It introduces the principles of business models, business processes analysis and design, workflow management, techniques and supporting tools, innovation and innovation management, technology management and product development, Building Information Modelling.

Assessment: 100% coursework

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**RECO6028 Procurement systems (6 credits)**

This course examines the strategic and emergent issues in construction procurement: a definition of procurement systems; organizing the project procurement process; contract strategy; international comparisons of procurement systems; applying multiple project procurement methods to a portfolio of projects; performance criteria for evaluating construction projects; applying relational contracting in the supply chain; selection criteria.

Assessment: 100% coursework

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**RECO6042 Law for the real estate and construction industry (6 credits)**

This course 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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**RECO6069 Real estate investment (6 credits)**

This course introduces real estate investments as part of the universe of investment opportunities. It introduces real estate investment analysis and decision making, and modern capital market theory and its application to real estate as an investment class.

Assessment: 100% examination

## **RECO7074 Management theory and projects (6 credits)**

This course 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, change management, case studies of projects.

Assessment: 40% coursework and 60% examination

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### **Integration Workshops**

Integration workshops will adopt the philosophy of using small group activities to demonstrate integrative issues for real estate development, design management of construction (and related) projects and organizations.

Altogether there are three courses of mandatory integration workshops, each course comprising two workshop sessions of two days each (normally a weekend) in which the subject matter studied formally in taught courses is addressed in an integration context, including the industry environment and work experiences of course participants.

Guest speakers/facilitators from practitioners in the real estate and construction industry or relevant business sectors will be invited to provide guidance, conduct seminars, and share experiences/insights in discussions on topical issues related to real estate development and management of interdisciplinary projects. Attendance at all workshop sessions is mandatory.

Assessment: 100% continuous coursework assessment

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## **RECO9111 Integration workshop I (6 credits)**

This course comprises of an orientation workshop and integration workshops targeted for the interdisciplinary planning, design and management in real estate investment and development. It examines actual problems associated with planning and development projects in Hong Kong and selectively, other cities around the region. It is case-based, highly interactive and encourages students to explore different ways of finding solutions inherent to the land conversion process.

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## **RECO9112 Integration workshop II (6 credits)**

This course comprises of integration workshops targeted for design and management of various types of interdisciplinary projects and organizations. Students will be actively involved in Field Studies and Building Information Modelling (BIM) laboratory settings. These workshop sessions reflect the interdisciplinary nature of the curriculum and aims to synthesize and address problems and issues in managing construction projects which in practice would engage the combined skills of a number of professions which constitute the real estate and construction industry. Through these sessions, students will experience the demand and importance of teamwork under the exigencies of actual business cases, and will appreciate the significance of their role and that of others in the context of planning, design, legal, social, financial and technological environment facing the industry.

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## **RECO9113 Integration workshop III (6 credits)**

This course comprises of integration workshops designed for real estate investment and development projects both in Hong Kong and in a wider regional context. These workshop sessions reflect the

interdisciplinary nature of the curriculum and aims to synthesize and address problems and issues which in practice would engage the combined skills of various professions which constitute the real estate and construction industry. Through these sessions, students will experience the demand and importance of teamwork under the exigencies of actual development projects in and outside Hong Kong, and will appreciate the significance of their role and that of others in a different context of planning, design, legal, social, financial and technological environment facing the industry.

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**RECO9114      Logbook (6 credits)**

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 materials, people, processes and products in the realisation and use of the built environment. The logbook is to be produced using both course materials and workplace experiences which include critical discussions relating to integration. The logbook has to be submitted for interim assessment at the end of second semester of the first year and must be submitted at the end of the second semester of the second year as prescribed in the Regulations.

Assessment: 100% continuous coursework assessment

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**RECO9206      Dissertation (12 credits)**

Each candidate must complete a dissertation on an approved topic relevant to the curriculum. Normally, the dissertation will be completed during the second year of the curriculum. Candidates are required to participate in a series of dissertation seminars.

Assessment: 100% continuous coursework assessment

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