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

(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.

Admission requirements

Ar181   MIDM programme application is open to postgraduate practising professionals. The basic admission requirement is a recognised Bachelor degree in a relevant discipline or qualifications deemed to be equivalent, as well as a minimum of three 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.

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) satisfy the examiners in a qualifying examination if required;
- (d) produce proof of relevant work experience, including curriculum vitae, an illustrated project portfolio and at least one letter of reference from a relevant employer or other as determined by the Programme Director;
- (e) demonstrate a strong fluency in both spoken and written English, as evidenced in a mandatory essay upon application and in the interview, as a prerequisite for acceptance.

Qualifying examination/interview

Ar182
- (a) A qualifying interview and/or examination may be set to test the candidate's formal academic ability or his ability to follow the courses of study prescribed;
- (b) A candidate who is required to satisfy the examiners in a qualifying interview/examination shall not be permitted to register until he has satisfied the examiners.

Award of degree

Ar183   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.

Length of curriculum

Ar184
- (a) The curriculum shall extend over two academic years and be equivalent to a total of approximately 300 contact hours. This comprises approximately 160 contact hours in the first academic year and 140 contact hours in the second academic year;
- (b) Two compulsory, core Collaborative Design Studios will be conducted over the two-year period and integrated into various course modules;
- (c) The submission of five major pieces of individually written work (viz. a Case Study based on the candidates' own experience, Logbook (Parts I and II), Essay I, Essay II and Dissertation) will require non-contact, independent study time estimated to account for approximately 400 – 450 hours over the two year period.

Completion of curriculum

Ar185   To complete the curriculum, a candidate shall
- (a) satisfactorily complete all written work specified as in Ar184(c);
- (b) attend the Introduction module, all Collaborative Design Studios and Workshops, and demonstrate satisfactory participation leading to collaborative output; and
- (c) satisfy the examiners in all examinations as may be required.

Course selection

Ar186
- (a) All courses are compulsory as in the curriculum prescribed;
- (b) In the first year, a candidate must attend the Introduction module and four intensive modules, including Design Studio and Workshop sessions;
- (c) In the second year, a candidate must attend four intensive modules, including Design Studio and Workshop sessions;
- (d) All written work shall be produced individually to address relevant topics of the candidate's selection in consultation with, and with agreement by, his assigned supervisor, and subject to the approval of the Programme Director.

Logbook

Ar187
- (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 may submit his first year Logbook after the successful completion of his coursework in the first year of study, but shall submit it no later than six weeks after the last day of the last module of the first academic year;
- (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 the registration as a candidate for the degree. A confidential letter shall be submitted by his senior managerial or executive supervisor of the organisation in which the candidate is employed, certifying that the Logbook accurately reflects that candidate's practical exposure. This letter forms part of the assessment of a candidate's performance, and shall be sent directly by the employment supervisor to the Programme Director.

Master's dissertation submissions

Ar188
    (a)   A candidate shall submit the proposed title and topic outline of his Master's Dissertation by a date specified by the Programme Director. A candidate may submit his Dissertation after the successful completion of his coursework, and shall submit it not later than the end of September of the year;

    (b)   A candidate shall submit a statement that the Dissertation represents his own work undertaken after the registration as a candidate for the degree.

Failure to satisfy the examiners

Ar189
    (a)   A candidate who has failed to satisfy the examiners in not more than two courses in any one year may be permitted to present himself for re-examination before the commencement of the next academic year. If he fails again to satisfy the examiners at the second attempt, he shall be deemed to have failed that academic year, and shall be required to repeat the entire following academic year and present himself for re-examination in the failed course(s) at the third and final attempt, notwithstanding the following:

        (i)   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 I), or to graduate (Logbook II);

        (ii)   A candidate who has failed to satisfy the examiners in the collaborative Studios or 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 (Studio I), or to graduate (Studio II);

        (iii)   A candidate who has failed to present a satisfactory written Case Study or either Essays I or II, but has satisfactorily completed other parts of the curriculum, may be permitted to resubmit the work to the satisfaction of the examiners, at a second and final attempt, failing which he must repeat the entire year before he may be awarded the MSc(IDM) degree;

        (iv)   A candidate who has failed to present a satisfactory Master's Dissertation may be permitted, subject to his performance in other parts of the curriculum, to revise the Dissertation and to re-submit the work within a specified period as determined by the examiners, to the satisfaction of the examiners, at a second and final attempt, failing which he must repeat the entire year before he may be awarded the MSc(IDM) degree;

    (b)   A candidate shall be recommended for discontinuation of studies under General Regulation G 12, if:

        (i)   he fails to satisfy the examiners in more than two courses at the first attempt in any academic year; or

        (ii)   he fails to satisfy the examiners at the third attempt at any course in any academic year.

Examination results

Ar190   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

STUDY AREAS (MODULES)

The following Study Areas shall form the syllabus for the Core Courses. There are no elective courses. Core Coursework shall relate to and span across these Study Areas.

Principles of Integrated Design

Urban and building systems as a combined organism for social interaction; interdisciplinary interventions at macro- and micro-levels; integration of architecture, structure and services; qualitative and quantitative building environments; the psychology of space; modular planning, off-site fabrication and 'system building'; case studies analyses.

Infrastructure

Infrastructure planning; transport types and applications; funding models; transport planning and housing policy; community empowerment; private-public partnerships; environmental impact; integration and symbiosis in urban interventions.

Managing Group Decisions

Goal-setting, team dynamics, leadership and negotiating skills; roles and boundaries; collaboration and control of resources; drawing to communicate ideas; professional ethics; non-confrontational conflict resolution.

Asian Urban Studies

Climate change and urban form; sustainable strategies and compact cities; resource management; land use policy; sociology and urban morphologies; public space and quality of life, crime mitigation; economics and planning controls.

Design for Sustainability

Understanding sustainability; balancing economic, social and environmental criteria; architecture, engineering and resource conservation; embodied energy and energy in use; micro-climate amelioration and building morphology; responsive building fabric design; socially sustainable technologies; renewable energy; designing for demountability/re-use/recycling.

China Perspectives

State of the design and construction industry in the PRC; working with the Design Institutes; public works programmes; housing and transport issues; cross-border flow of skills and products; forming partnerships; understanding standards; the economy, the environment and the future.

Life Cycles

The culture of the built environment; occupier satisfaction and proprietorship; quality, energy, cost and longevity; post-occupancy studies; Life Cycle Assessment (LCA) methodology and reporting; the effect of land provision policy and funding models.

Procurement and Design Quality

The interdisciplinary design team and the contract; overcoming market and institutional barriers; agreeing and monitoring quality standards; the consultancy trap; innovation and partnering; importation and local supply; labour market and the social fabric; litigation; understanding various client cultures.

CORE COURSES

Contact Period:

ARCH9105.   Introduction to Interdisciplinary Design and Management

A two-day weekend course comprising about 16-20 hours, this course is an orientation and introduction into the principles of successful interdisciplinary design models, examining: goals of the interdisciplinary design team; psychology of collaboration; engineering, architecture, the client and the users; cultural clues towards design excellence. Assessment is a Pass/Fail mark, based on attendance and participation.

ARCH9101.   Collaborative Design Studio I
ARCH9201.   Collaborative Design Studio II

The core of the MSc(IDM) programme, this course runs concurrently through the study areas and is aligned with design themes stemming from those studies. It provides a collaborative, creative environment framed around a series of team-led design problems and case studies, using Hong Kong/China as a laboratory for, or backdrop to: interdisciplinary issues; learning to communicate effectively through various media; creative synthesis and conflicting constraints; understanding perspective in problem-solving. Assessment is a Pass/Fail mark, based on attendance, teamwork and participation.

ARCH9102.   Collaborative Workshops I
ARCH9202.   Collaborative Workshops II

Periodic workshops engage candidates from varying backgrounds in collaborative seminars and problem-solving exercises. These shall vary each year to remain topical and to take advantage of visiting academics and practitioners. Assessment is a Pass/Fail mark, based on attendance, teamwork and participation.

on-Contact Period:

ARCH9106.   Case Study

This original written and illustrated work shall be approximately 3,000 to 5,000 (max.) words. The topic shall be proposed by the candidate and approved by his assigned supervisor and/or the examiners based on originality, appropriateness and relevance to the course of study. The Case Study shall be based on a

real or proposed project of the candidate's own first-hand experience or on work carried out by others and observed/recorded by the candidate. The Case Study shall build upon issues raised in the concurrent Study Areas.

ARCH9103. Logbook I
ARCH9203. Logbook II

A Logbook shall be kept by each candidate as a record of his professional and academic progress. Logbook I and II must be kept in separate, bound volumes, each being presented for evaluation in both the first (Logbook I) and second (Logbook I and II) years. The Logbook forms the basis of evaluation for the satisfactory integration of the aims of the course of study with the candidate's practical experience. It may contain written and graphic entries, and shall be chronologically organised.

ARCH9104. Essay I
ARCH9204. Essay II

These two Essays shall be original written and illustrated work, comprising approximately 2,000 to 3,000(max.) words each. Alternative media for no more than one of the Essays may be permitted on a case-by-case basis, subject to the approval of the assigned supervisor and/or examiners. The objective of the Essays is the exploration of topics outside the candidate's area of primary professional responsibility. Essay I and Essay II shall cover distinct and separate topics, although broadly related topics may be permitted by the assigned supervisor.

ARCH9205. Dissertation

The Dissertation topic is intended to reach beyond the candidate's established interests and to embrace issues arising through the coursework and outside of it, which have broader relevance to the design and construction of the built environment. The Dissertation offers the candidate the opportunity to choose an area of study for advanced exploration, related to the course of study. The topic shall be discussed and agreed with the assigned supervisor and Programme Director. The Dissertation shall be approximately 15,000 words in length and shall be illustrated.