THE UNIVERSITY OF HONG KONG

Master of Science in Integrated Project Delivery [MSc(IPD)] (2022-23)

1. The MSc (IPD) provides advanced technological education in the production and management of built assets, including fast-developing ProTech, Digital Twin, Building Information Modelling (BIM), geographic information system (GIS), artificial intelligence/machine learning, blockchain, and gaming technologies available in the HKU UrbanLab i5 BIM Research Lab. The curriculum is designed to be multi-disciplinary to meet the manpower demand for the increasingly complex, multi-party projects in Hong Kong and the region; particularly in the policy context such as the Climate Action Plan 2030, Long-term Housing Strategy, the Smart City Blueprint, and Construction 2.0: Time to Change agenda.

   Through this programme, students will develop the skills necessary to break through disciplinary boundaries and strengthen their competence in interdisciplinary collaboration and strategic technology management for example, through the effective use of the single source of information within a Common Data Environment (CDE), the development of a successful BIM project execution plan - BIM PxP). These are key critical success factors in information and project delivery today. With the learning experience of disruptive technologies, students will be able to drive the transformation of the world's largest ecosystem and reshape the next generation real estate and construction.

   Overall, students, through teaching and learning in class and semester-long projects, will learn and develop skills in:

   - Strategic technology management, developing skills in the management of ProTech, BIM, GIS, IoT, AI/ML, VR/AR, gaming technologies, Blockchain, VDC and IPD
   - Change management in organisations and projects
   - Team building, collaborative design, and construction project management
   - Understanding and managing interdisciplinary and cross-cultural differences in teams
   - Understanding the lifecycle BIM management experiences and best practices to the Architecture, Engineering, Construction and Owner-operated (AECO) industry
   - Broaden their global horizon regarding the innovation and contextualising BIM and digital built into the sector

   The programme is offered with contributions from local industry and internationally renowned visiting lecturers. It is professionally accredited by The Chartered Institute of Building (CIOB), and The Royal Institution of Chartered Surveyors (RICS), and professional accreditation will be sought from the Construction Industry Council (CIC-Accredited BIM Manager Course).

   Tuition Fee: HK$ 97,000 * per year *(*Subject to the University's approval)*

2. Study Mode: 2-Year Part-Time

3. To be eligible for admission to the curriculum leading to the Master of Science in Integrated Project Delivery, a candidate

   (a) shall comply with the General Regulations and the Regulations for Taught Postgraduate Curricula;

(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 a *curriculum vitae*, at least one letter of reference from a relevant employer and any other supplementary document 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.

4. Applications for a taught postgraduate programme can be submitted via our online application system at http://www.hku.hk/tpg.

5. The closing date for application (September 2022 intake) is noon (GMT+8), 30 June 2022.

6. The University should be able to inform applicants by the end of July 2022. If you do not hear your result by 20 August 2022, please contact the Faculty of Architecture on (852) 3917 4409.

April 2022