Master of Philosophy Programmes

(Built Environment – MBE)(Geinformation and Real Estate – MGH)

Introduction

The Master of Philosophy programmes offered by the faculty are in the field of architecture, quantity surveying, urban and regional planning, transportation planning, landscape architecture, geoinformatics, geomatic engineering, remote sensing, land administration & development, real estate and facilities management. The programmes are entirely conducted in research mode whereby students conduct original research under the supervision of experienced supervisors who are themselves PhD holders.

Name of Award

[Master of Philosophy]

Students enrol in the programme are compulsory to present their research proposal in semester 2.The proposal will be evaluated by two internal panels that will be appointed by the Faculty Academic Committee. In order to graduate, students are required to prepare complete thesis by following the UTM Thesis Writing Guidelines and fulfil the publication requirement. The viva voice session will be held at the Faculty.

Mode and Duration of Study

Mode of Study   Full-time

Minimum Duration   1 1/2 Years

Maximum Duration   4 Years

Classification of Courses

Classification	Credit	Total Credit
1.University General	3	
2.Research Methodology	3	6
3.Research (Thesis)	0	

Award Requirements

For the award of Doctor of Philosophy, the students should achieve a total minimum of 6 credit hours, including the completion of Doctoral Thesis.

List of Courses According to Semester

Semester 1

Courses	Credit	Total Credit
1.UXXXxxx3 - University General Course[1]	3	
2.MBEM1113 Research Methodology	3	6
3.MBEX / MGHX1100 Research Course[2]	-	

Note:

[1]Students are advised to enroll for the course in the earlier semester.

[1]Students may choose University General Course based on the subjects offered by the faculty during the respective semester.

[2]Students must register a research code every semester within the specified dates determined by the University.

Semester 2 - 8

Semester	Course	Credit	Total Credit
2	MBEX / MGHX1200 - Research	-	-
3	MBEX / MGHX2100 - Research	-	-
4	MBEX / MGHX2200 - Research	-	-
5	MBEX / MGHX3100 - Research	-	-
6	MBEX / MGHX3200 - Research	-	-

Semester	Course	Credit	Total Credit
7	MBEX / MGHX4100 - Research	-	-
8	MBEX / MGHX4200 - Research	-	-

Notes:
- Student need to refer Appendix for their specific research code by programme.
- First Stage Assessment (Proposal Defense) presentation should be done in Semester 2.
- Students should submit Notice for Submission of Thesis (NHT) at least three (3) months prior to submission of the thesis for examination. NHT can be done online (GSMS System) via MyUTM portal.

Areas of Research

Students in the Master of Philosophy programmes conduct research in a variety of areas of interest listed below.

Architecture
- Environmental Engineering & Architectural Sciences
- CAD
- Urban Design
- Architectural Management
- Architecture and Human Behaviour
- Architectural History & Theory
- Climatic Mapping
- Children's Environment
- Vertical Green System
- Vernacular Architecture
- Passive Architecture

Landscape Architecture
- Landscape Architecture
- Urban Greening
- Urban Landscape Design
- Landscape Resource Planning
- Landscape Ecology & Urban ecology
- Green Technology
- Children's Environment
- Landscape and Climate Research
- Historical and Heritage Landscape
- Cultural Landscape
- Landscape Professional Practice
- Community Landscape Planning
- Environmental Psychology
- Landscape Visualisation
- Landscape Assessment
- Islamic Built Environment & Islamic Studies

Quantity Surveying
- Construction Economics and Cost Management
- Construction Technology and Management
- Construction Law and Contract
- ICT in Construction
- Building Information Modelling
- Dispute Resolution and Adjudication
- Life Cycle Costing
- Sustainable Construction
- Construction Health and Safety
- Plant and Site Management
- Cost Estimating
- Facilities Management
- Building Services

Urban and Regional Planning
- Rural Planning
- Tourism Planning
- Housing and Community Planning
- Regional Planning
- Geographic Information System
- Spatial Modelling
- Urban Morphology
- Spatial Analysis for Social Issues
- Remote Sensing Applications
- Environmental Planning
- Low Carbon Society/City
- Climate Change
- Urban Design
- Urban Development and Management

Transport Planning
- Public Transport Planning & Management
- Port Planning and Cargo Handling
- Transportation Models
- Airport Planning Management

- Regional Transportation Planning
- Transport and the Environment
- Transport Economic
- Logistics & Physical Distribution Management

- Urban Transport and Modelling
- Transport Policy
- Highway Planning
- Freight Transport

Geoinformation and Real Estate
- Geomatics Engineering
- Geoinformatics
- Remote Sensing
- Hydrography
- Real Estate
- Land Administration and
- Development Facilities Management

Syllabus Synopses

MBEM1113 Research Methodology

This course equips the students with the theory and practice of conducting an academic research. The course covers the theory and philosophy of research, research methods, research methodology, research design, purpose of research, types or classification of research, research process and research writing. The students is expected to prepare the proposal for their thesis.

Research (Thesis)

Students are expected to conduct an academic research on the related field based on the proposal submitted and approved as per scheduled. It requires individual students to undertake investigative studies which involve an identification of problems/issues; literature review; data collection, analysis and interpretation of research findings. Thesis shall contribute to the related body of knowledge. The students shall be required to submit and defence their thesis.

Grading and Point Value System for Postgraduate Programmes

Academic Standing for Postgraduate Research Program

Research students are required to complete the online Research Progress Report at the end of every regular semester and will be evaluated by their supervisors.

A student's academic standing is determined at the end of every regular semester based on status as shown in the table below.

Status	Academic Standing
MM	Good Standing (KB)
TM	Probationary Standing (KS)
KG	Failure Standing/Academic Dismissal (KG)

A student will be dismissed from the academic programme if obtained Failure Standing (KG).
A student with Probationary Standing (KS) for two consecutive semesters will be given Failure Standing (KG) and will be dismissed from the academic programme.

Research students are also required to complete Research Methodology course and University's course for graduation.