FACULTY OR ARCHITECTURE, PLANNING AND SURVEYING (AP)

MASTER BY COURSEWORK

MASTER OF SCIENCE IN GEOGRAPHICAL INFORMATION SCIENCE AP720
DURATION OF STUDY: 1 - 2 YEARS/ 2 - 4 SEMESTERS
(INTAKE : MARCH & OCTOBER)

Synopsis

The Master of Science in Geographical Information Science (MSc GIS) is a one (1) full-year programme specifically designed to allow students to achieve a thorough understanding of geographical information concepts and theory as well as exposure to research and application. This programme is designed for future managers and decision-makers of various government sectors or private agencies for mapping, land management, environment, forestry, agriculture, geology, urban and regional planning, security, disaster, business, information technology, etc. Graduates of this programme can be fit GIS project managers, application specialists, and software developers. MSc in GIS is accredited by the Royal Institute of Chartered Surveyors (RICS), UK.

Candidates need to complete a total of 40 credit hours of coursework. The total credit hours include programme core and specialisation courses (24 credit hours), research projects (10 credit hours), and elective courses (6 credit hours).

Entry Requirement

General
i.   Any Bachelor's degree in Science and Technology as well as the Social Science courses or its equivalent from any recognized institution of higher learning local or abroad with a CGPA of at least 2.50 or Second Class Lower.   OR
ii.   APEL candidate, pass APEL (Aptitude test and Portfolio Assessment). At least five (5) years working experience in relevant fields.   OR
iii.   Candidates without a qualification in the related fields and/or relevant working experience with minimum CGPA based on (i) and (ii) must undergo and pass the prerequisite courses offered by the faculty before enrolling in the program.
International
Language Requirements   International applicants are required to obtain a minimum: •   Malaysian University English Test (MUET) Band 3   •   IELTS Band 5   •   TOEFL: Internet-Based Test (IBT: 35-45); Computer-Based Test (CBT: 107-131); Paper-Based Test (417-450)

- CEFR: B1
- TOEIC: 356-440
- BULATS: 40-59

A candidate who does not have TOEFL or IELTS is required to attend six (6) months of English Proficiency Class (EPC) prior to enrolment in the program. Upon completion of the EPC program, the candidate needs to sit for TOEFL/IELTS/MUET examination with the score as stated above.

Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	**Part-time**
Fees for semester 1	RM 2, 798	RM 1, 738
Fees for semester 2	RM 2, 935	RM 1, 665
Fees for semester 3		RM 1, 665
Fees for semester 4		RM 1, 875
TOTAL ESTIMATION FOR TUITION FEES	**RM 5, 733**	**RM 6, 943**

ESTIMATED FEES Subject to change
Fees for Convocation RM210 will be charged in the final semester

International

FEES	TOTAL RINGGIT MALAYSIA (RM)
Fees for semester 1	RM 7, 280
Fees for semester 2	RM 7, 380
TOTAL ESTIMATION FOR TUITION FEES	**RM 14, 660**

Programme Structures

FULL-TIME	
Year 1	
Semester 1	Semester 2
1. GES710 - Frontiers Geographical Information Science	1. GES720 - Geospatial Analysis and Modelling
2. GES711 - Managing Geographical Information System	2. GES721 - Geospatial Statistics
3. GES712 - Geospatial Database and Management	3. GES722 - Geospatial Research Project
4. GES713 - Remote Imaging and Processing	4. GES723 - Geovisualization
5. GES714 - Geospatial Research Methods	6. ELECTIVE (Choose ONE only)
6. ELECTIVE (Choose ONE only)	a. GES724 - GIS for Environmental Management
a. GES715 - Geopositioning And Data Acquisition	b. GES725 - Innovation in Geospatial Technology
b. GES716 - Programming for Spatial Science	c. ISP751 - Advanced Decision Support System

PART-TIME			
Year 1		**Year 2**	
Semester 1	Semester 2	Semester 3	Semester 4
1. GES710 - Frontiers Geographical Information Science 2. GES712- Geospatial Database and Management 3. GES713 - Remote Imaging and Processing	1. GES711 - Managing Geographical Information System 2. GES714 - Geospatial Research Methods 3. ELECTIVE (Choose ONE only) a. GES715 - Geopositioning And Data Acquisition* b. GES716 - Programming for Spatial Science	1. GES720 - Geospatial Analysis and Modelling 2. GES721 - Geospatial Statistics 3. GES723 - Geovisualization	1. GES722 - Geospatial Research Project 2. ELECTIVE (Choose ONE only) a. GES724 GIS for Environmental Management b. GES725 Innovation in Geospatial Technology c. ISP751 Advanced Decision Support System