PROGRAMME DESCRIPTION

The Doctor of Philisophy (PhD) in Information Technology is a programme offered by the Institue of Graduate Studies. The programme is to prepare candidates to acquire the knowledge and skills necessary to function at the highest academic and professional levels.

PROGRAMME INFORMATION

Name of the award	:	PhD in Information Technology
MQF level	:	Doctoral Degree (MQF Level 8)
Credit value	:	51 credits
Type of award	:	Single Specialisation
Field of study	:	Computer Use (NEC 482)
Language of Instruction	:	English
Mode of study	:	Full time and Part-Time
Mode of delivery	:	Lectures are delivered in class. Students have to attend/organise coloqium, seminar and conferences to enhance students knowledge and exposure in their related field.
Method of delivery	:	Conventional
Duration of study	:	Full Time : Min 3 - 5 years Part Time: Min 4 - 6 years

Calendar

No. of T&L weeks per semester	13 weeks
Revision Week	None
Final Examination	None

Entry requirements :

i. A Master's Degree (Level 7, Malaysian Qualifications Framework, MQF) in Computing or related to computing or any other equivalent qualification from KUPTM or any other institutions of higher learning recognized by the University Senate; and

ii. candidates must have completed at least 1 of their earlier Degrees (Master's or Bachelor's) in Computing or related to computing; and

iii. Fulfill English language requirements

International applicants should meet any one of the following English requirements before they are accepted for admission into the programmers. Students must obtain minimum score in the followings:

iv. 550 in the Test of English as a Foreign Language (TOEFL); or

v. 6.5 in International English Language Testing System (IELTS)

- The validity period for TOEFL and IELTS is 2 years from the date of the award.
- A proposal of about 500 words in length must be submitted together with all relevant documents required for admission to university.

Programme Education Objectives (PEO) : The specific program educational objectives are for the students to:

PEO1 provide opportunities to pursue study in related disciplines and aspire continuous improvement in career and life through lifelong learning

PEO2 ensure graduates are able to acquire and apply knowledge and skills of information technology in business environment

PEO3 prepare graduates adapt to contemporary knowledge and skills in IT and business to accommodate the process of change and its impact to the technological world

PEO4 ensure graduates are able to become knowledge workers with entrepreneurial qualities by applying academic experience to the actual working environment

Program Outcomes (PO)	:	PO1 synthesis knowledge and contribute to original research that broadens the frontier of knowledge in the relevant field
		PO2 adapt practical skills leading to innovative ideas in the relevant field
		PO3 provide expert advice to society in the relevant field
		PO4 conduct research independently and adhere to legal, ethical and professional codes of practice
		PO5 display leadership qualities through communicating and working effectively with peers and stakeholders
		PO6 appraise problems in the relevant field critically using scientific skills
		PO7 integrate information for lifelong learning

PROGRAMME STRUCTURE

Full-Time Mode:

SEMESTER	COURSE TITLES	CLASSIFICATION
Semester 1	Advanced Research Methodology	Supported Module
	Proposal Meeting & Thesis Writing	Supported Module
Semester 2	Seminar on Current Issues in Information Technology	Supported Module
	Proposal Preparation 1 & Proposal Submission	Mix of independent and guided study
Semester 3	Colloquium 1	Mix of independent and guided study
Semester 4	Review of Literature 1	Mix of independent and guided study
	Review of Literature 2	Mix of independent and guided study
	Proposal Defense	Mix of independent and guided study
Semester 5	Fieldwork 1	Mix of independent and guided study
	Fieldwork 2	Mix of independent and guided study
Semester 6	Colloquium 2	Mix of independent and guided study
Semester 7	Analysis of Data (Preliminary)	Mix of independent and guided study
	Analysis of Data (Data)	Mix of independent and guided study
	Colloquium 3	Mix of independent and guided study
Semester 8	Thesis Writing and Review of Thesis	Mix of independent and guided study
	Colloquium 4	Mix of independent and guided study

Semester 9	Submission & Mocked Viva	Mix of independent and guided study

Part-Time Mode:

SEMESTER	COURSE TITLES	CLASSIFICATION
Semester 1	Philosophy of Science in Research	Supported Module
	Advanced Research Methodology	Supported Module
Semester 2	Proposal Meeting & Thesis Writing	Supported Module
	Advanced Qualitative Analysis	Supported Module
	Advanced Quantitative Analysis	Supported Module
Semester 3	Seminar on Current Issues in Information Technology	Supported Module
Semester 4	Proposal Presentation 1	Mix of independent and guided study
	Proposal Submission	Mix of independent and guided study
	Colloquium 1	Mix of independent and guided study
Semester 5	Review of Literature 1	Mix of independent and guided study
	Review of Literature 2	Mix of independent and guided study
Semester 6	Proposal Defense	Mix of independent and guided study
Semester 7	Fieldwork 1	Mix of independent and guided study
	Fieldwork 2	Mix of independent and guided study
	Colloquium 2	Mix of independent and guided study

Semester 8	Analysis of Data (Preliminary)	Mix of independent and guided study
	Analysis of Data (Final)	Mix of independent and guided study
Semester 9	Colloquium 3	Mix of independent and guided study
Semester 10	Thesis Writing and Review of Thesis	Mix of independent and guided study
Semester 11	Colloquium 4	Mix of independent and guided study
Semester 12	Submission & Mock Viva	Mix of independent and guided study

COURSE DESCRIPTION

1. **RMS6020 Advanced Research Methodology**

   This course introduces on how to synthesize the related prior research discovered after a comprehensive review of the literature. In academic or scholarly work, this is usually of key or seminar works in a focused area. Often one of the first sections any scholarly research article will have a review and synthesis of the previously published literature on the topic addressed in the article. The review will tell the reader how it is related to the topic of the actual project. The unique research being done should build on and reference prior work.

   Pre-requisite: None

2. **RMS6010 Proposal Meeting & Thesis Writing**

   This course introduces students to an excellent and approved post-graduate research proposal in the standard format containing the specifications required for post-graduate level research.

   Pre-requisite: None

3. **ITC 4143 Seminar on Current Issues in Information Technology**

   This course will be conducted in seminar mode where at every class meeting students are expected to make presentation. The topic of the presentation will be decided on the basis of the research proposal.

   Pre-requisite: None

FLOW CHART FOR PROGRAMME COMPLETION