

DOCTOR OF PHILOSOPHY

FIELD OF RESEARCH: GENERIC

PROGRAMME SPECIFICATIONS

The Doctor of Philosophy Field of Research: Generic (PLPG) is offered on a full-time basis. The duration of study is in between minimum of three (3) years to a maximum of eight (8) years.

The assessment of the research program is based on the progress report, supervisor's evaluation, research proposal and viva.

General Information

1. Awarding Institution	Universiti Teknologi Malaysia		
2. Teaching Institution	Universiti Teknologi Malaysia		
3. Programme Name	Doctor of Philosophy Field of research: Generic		
4. Final Award	Doctor of Philosophy		
5. Programme Code	PLPG (Starting from 2014) PLG (Before 2014)		
6. Professional or Statutory Body of Accreditation	MQA/SWA0809		
7. Language(s) of Instruction	English		
8. Mode of Study (Conventional, distance learning, etc)	Research		
9. Mode of operation (Franchise, self-govern, etc)	Self-governing		
10. Study Scheme (Full Time/Part Time)	Full Time		
11. Study Duration	Minimum : 3 years Maximum : 8 years		
Type of Semester	No. of Semesters		No of Weeks/Semester
	Min	Max	
Normal	6	16	14
Short	-		-

Course Classification

No.	Classification	Credit Hours	Percentage
i.	University General Course (1 course)	3	
ii.	Research Methodology	HW	
iii.	Research (Minimum 6 semesters)	0	
iv	Thesis	0	
	Total	3	

Program Educational Objectives (PEO)

PEO1: Generate in-depth, relevant and cutting-edge knowledge through original, ethical and scholarly research.

PEO2: Utilized the research knowledge for the benefit of communities, society, nation and humanities.

PEO3: Advocate relevant knowledge and expertise through effective oral and written communications.

PEO4: Pursue lifelong learning, such as graduate work and other professional education.

PEO5: Become effective collaborators and innovators, leading or participating in efforts to address social, technical and business challenges.

Program Learning Outcomes (PLO)

PLO 1: Show a systematic comprehension and in-depth understanding of a discipline and mastery of skills and research methods related to the field of study.

PLO 2: Show capabilities to generate, design, implement and adopt the integral part of research process with scholarly strength and ethics.

PLO 3: Contribute to the original research by making critical analysis, evaluation and synthesis of new and complex ideas that broadened the boundary of knowledge.

PLO 4: Practice research ethics and conduct responsible research.

PLO 5: Communicate with peers, scholarly community and society at large concerning the field of expertise.

PLO 6: Promote technological, social and cultural progress in a knowledge-based society in the academic and professional context

PLO 7: Demonstrate sensitivity to social needs and readiness to apply relevant knowledge to fulfilling them

PLO 8: Demonstrate the awareness of effective team-working conducting research

PLO 9: Demonstrate leadership capability and the ability to effectively deliver knowledge, scientific findings, recommendations and rationale to peers and experts.

PLO 10: Ability to gather, organize, adapt contemporary knowledge effectively and capable of utilizing appropriate computational tools independently.

PLO 11: Demonstrate the ability of managing and conducting research or other activities, and display the awareness of the need to exploit all possible resources and opportunities which include personal, institutional or business linkages and collaboration

GRADUATION CHECKLIST

To graduate, students must pass all the stated courses and assessment in this checklist. It is the responsibility of the students to ensure that all courses and assessment are taken and passed. Students who do not complete any of the assessment are not allowed to graduate.

NO.	CODE		CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (√) IF PASSED
FACULTY OF ENGINEERING COURSES					
1	Uxxx xxx3	University General Course (choose 1 course) UHAP6013 (Seminar on Global Development, Economic and Social Issues) – Faculty of Management (FM) UICW6023 (Philosophy of Science and Civilization) – Faculty of Islamic Civilization (FTI) UCSM1263 (IT Project Management) – Faculty of Computing (FC) UPPF6033 (Dynamics of Leadership) – Faculty of Education (FP)			
2		Research Methodology :			
	UKKP0010	School of Chemical and Energy Engineering			
	UKMP0010	School of Mechanical Engineering			
	UMBP0010	School of Biomedical Engineering and Health Sciences			
	UKEP0010	School of Electrical Engineering			
	UAPA0010	School of Civil Engineering			
3	PLPG XX00	Research (Minimum 5 Semester)			
4		Thesis			
5		Publication (minimum one (1) refereed article or two (2) indexed conference proceedings accepted as published in SCOPUS/ERA/WOS)			