

MASTER OF PHILOSOPHY

FIELD OF RESEARCH: PETROLEUM ENGINEERING

PROGRAMME SPECIFICATIONS

The Master of Philosophy Field of Research: Petroleum Engineering (MKKP) is offered on a full-time basis. The duration of study is in between minimum of one (1) year to a maximum of four (4) 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	Master of Philosophy		
4. Final Award	Master of Philosophy Field of research: Petroleum Engineering		
5. Programme Code	MKKP		
6. Professional or Statutory Body of Accreditation	MQA		
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 : 1 year Maximum : 4 years		
Type of Semester	No. of Semesters		No of Weeks/Semester
	Min	Max	
Normal	2	8	14
Short	-	-	-

Course Classification

No	Classification	Credit Hours	Percentage
i.	University Elective (1 course)	3	
ii.	Research Methodology	HW	
iii.	Research (Minimum 2 semesters)	0	
iv	Thesis	0	
	Total	3	

Programme Educational Objectives (PEO)

- PEO 1: Graduate able to successfully incorporate the advanced knowledge of petroleum engineering, research and problem solving skills to formulation and solution of diverse petroleum engineering problems taking into account safety, environmental, economic and societal impacts.
- PEO 2: Graduate able to communicate effectively to convey and acquire technical ideas, information, and recommendations in a multi-disciplinary environment.
- PEO 3: Graduate able to responsibly practice professional ethics with appreciation for the value of continuing professional development in maintaining their professional competence.

Programme Learning Outcomes (PLO)

- PO1: Able to demonstrate continuing and advanced knowledge in petroleum engineering and have the capabilities to further develop or use these in new situations or multi-disciplinary contexts.
- PO2: Able to appraise available information and research evidence and apply it in the petroleum engineering context.
- PO3: Able to analyze and evaluate critically problems in petroleum engineering, particularly in situations with limited information and to provide solutions through the application of appropriate tools and techniques.
- PO4: Able to plan and perform research undertakings professionally, ethically and responsibly.
- PO5: Able to report technical findings in both written and oral forms.
- PO6: Able to recognize the needs for continuing professional development.

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	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	TICK (√) IF PASSED
SCHOOL OF CHEMICAL & ENERGY ENGINEERING COURSES					
1	UXXX XXX3	University Elective (1 course)			
2	UKKP 0010	Research Methodology			
3	MKKP XX00	Research (Minimum 2 semesters)			
4		Thesis			
5		Publication (minimum one (1) publication from journal article or conference proceeding or book chapter)			