

# MASTER OF PHILOSOPHY

## FIELD OF RESEARCH: POLYMER ENGINEERING

### PROGRAMME SPECIFICATIONS

The Master of Philosophy Field of Research: Polymer Engineering (MKKR) 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: Polymer Engineering	
5. Programme Code		MKKR	
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
<b>Short</b>	-	-	-

#### 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	
	<b>Total</b>	<b>3</b>	

### Programme Educational Objectives (PEO)

- PEO 1: Graduates are able to incorporate in-depth relevant knowledge in engineering practices.
- PEO 2: Graduates are able to apply a wide range of relevant knowledge to formulate and conduct problems effectively and innovatively through critical thinking skills.
- PEO 3: Graduates are able to communicate effectively to convey and acquire technical information intellectually, ethically and professionally.
- PEO 4: Graduates able to adopt the latest relevant knowledge and technologies through life-long learning process by taking into account safety, environmental, economic and societal impacts.

### Programme Learning Outcomes (PLO)

- PLO 1: Apply advanced knowledge in polymer engineering related areas
- PLO 2: Design and conduct scientific research using acceptable methodologies and solve research problems through effective thinking skills.
- PLO 3: Analyze and evaluate technical findings through effective thinking skills and application of appreciate tools and techniques.
- PLO 4: Demonstrate technical findings effectively in oral and written.
- PLO 5: Conduct professional ethics in research with minimal supervision and adhere to legal, ethical and professional code of practice.
- PLO 6: Adopt the latest relevant knowledge and technologies through life-long learning

## 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
<b>SCHOOL OF CHEMICAL &amp; ENERGY ENGINEERING COURSES</b>					
1	UXXX XXX3	University Elective (1 course)			
2	UKKP 0010	Research Methodology			
3	MKKR XX00	Research (Minimum 2 semesters)			
4		Thesis			
5		Publication (minimum one (1) publication from journal article or conference proceeding or book chapter)			