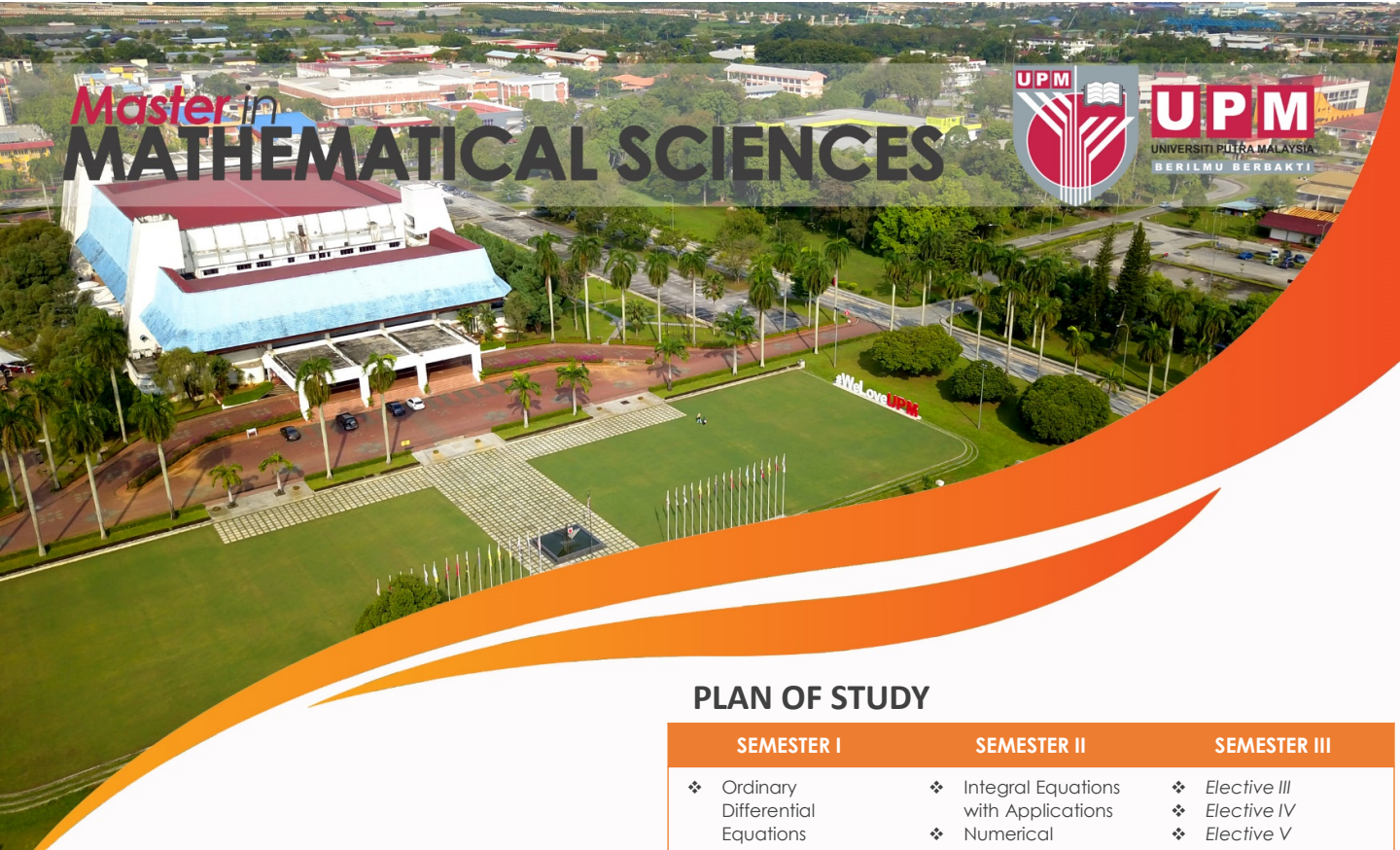


Master in MATHEMATICAL SCIENCES



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI



INTRODUCTION

- ❖ Master in Mathematical Sciences (Coursework) is a 40 credit postgraduate program by coursework inclusive of a 6 credit mini project.
- ❖ The objective of this program is to produce graduates who are competitive, knowledgeable and skillful in Mathematics and also offers an opportunity for advanced studies and career development in Mathematics.
- ❖ Graduates may continue their studies and research in Mathematics either at Universiti Putra Malaysia or at a different institution.
- ❖ A student pursuing a Master in Mathematical Sciences (Coursework) may complete the program in a minimum period of one year and a maximum period of two years.

ADMISSION REQUIREMENTS

Local and International Applicants

- ❖ Bachelor's Degree in Mathematics or related discipline with minimum CGPA of 2.75.
- ❖ Bachelor's Degree in Mathematics or related discipline with CGPA $\geq 2.50 - 2.74$ and at least 3 years of working experience in the related field (subject to faculty's discretion)
- ❖ Bachelor's Degree in Mathematics or related discipline with CGPA < 2.50 and at least 5 years of working experience in the related field.

English Requirement

- ❖ Applicants whose first language is not English are required to submit an official Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) score. The requirements are at least
 - 550 for TOEFL
 - Band 6.0 for IELTS

PROGRAMME REQUIREMENTS

- ❖ Candidates are required to complete a total of 40 credit hours of coursework. The total number of credit hours include core courses (25 credit hours) and elective courses (15 credit hours).

PLAN OF STUDY

SEMESTER I	SEMESTER II	SEMESTER III
<ul style="list-style-type: none"> ❖ Ordinary Differential Equations ❖ Partial Differential Equations with Applications ❖ Programming and Software in Mathematics ❖ Research Methods in Mathematics 	<ul style="list-style-type: none"> ❖ Integral Equations with Applications ❖ Numerical Methods for Differential Equations ❖ Elective I ❖ Elective II ❖ Dissertation(Part A) 	<ul style="list-style-type: none"> ❖ Elective III ❖ Elective IV ❖ Elective V ❖ Dissertation(Part B)
13 Credits	15 Credits	12 Credits

ELECTIVE COURSES

- ❖ Mathematical Cryptography
- ❖ Algorithmic Number Theory
- ❖ Cryptanalysis
- ❖ Optimum Theory and Application
- ❖ Selected Topic in Optimal Control
- ❖ Operations Analytics
- ❖ Method of Optimization
- ❖ Mathematical Modelling
- ❖ Dynamical System and Chaos
- ❖ Fluid Dynamics
- ❖ Computational Fluid Dynamics
- ❖ Heat and Mass Transfer

COURSES FEES

Local Student		International Student	
Semester I	RM6,060.00	Semester I	RM8,800.00
Semester II	RM6,550.00	Semester II	RM9,550.00
Semester III	RM5,440.00	Semester III	RM8,050.00

CONTACT US

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