

LIST OF PROGRAMMES

PhD

Doctor of Philosophy (AT 950)
PhD (Industry)

Master

Coursework

Master in Plantation Industry
Management (AT 770)

Research

Master of Science (AT 750)

Mixed-Mode Programmes

Master of Science
Soil Science (AT731)

Master of Science
Agronomy (AT 732)

Master of Science
Agribusiness (AT 733)

Master of Science
Crop Protection (AT 734)

Master of Science
Plantation Industry Management (AT
735)

Master of Science
Plant Biotechnology (AT 736)



FURTHER INFORMATION

Postgraduate Programmes can be directed to:

Head,
Centre of Postgraduate Studies
Faculty of Plantation and Agrotechnology
Universiti Teknologi MARA (UiTM)
40450 Shah Alam
Selangor Darul Ehsan
Malaysia

Phone: 603-5543 5567

Fax: 603-5543 5563

E-mail:

noorhajar@salam.uitm.edu.my

<http://fpa.uitm.edu.my/>



CENTRE OF POSTGRADUATE STUDIES

By **RESEARCH & COURSEWORK**
Programmes



Faculty of Plantation and Agrotechnology
UNIVERSITI TEKNOLOGI MARA

<http://fpa.uitm.edu.my/>

RESEARCH AREAS

Agricultural Biotechnology

Scientific techniques used to develop molecular and cellular based technologies to improve plant productivity. Specific areas such as synthetic seeds, somatic embryogenesis, clonal propagation, bio-organic media, gene functional studies, ripening related gene, stress related gene, effective microbes, biogas, biohydrogen, biosugars and other high value added bioproducts from agro-wastes.

Crop Protection

Strategizing different control strategies that can be integrated into practical pest management programs, covering high and low input agricultural system worldwide.

Soil Science

To enhance crop production in line with food and non-foods resources demands. Study, quantify and integrated all the soil, climate and crop parameter involved in systematic manner to achieve optimal crop production and sustaining environmental quality.

Agricultural & Biological Engineering Technology

Bioproductivity improvement and enhancement at the levels of crop, cropping system and agricultural ecosystem.

Crop Science

Combines disciplines of animal biology, plant biology and mechanical, civil electrical and chemical engineering principles with knowledge of agricultural principles.

Plantation Management & Agribusiness

Comprises of a team from various disciplines of agricultural economics, plantation management and business. Specific areas such as economic aspect and economic modeling of crop protection, strategic management in plantation, agricultural trade policy, agricultural supply chain management, agricultural prices and forecasting and issues related to logistic, distribution, storing and packaging agricultural products.

DOCTOR IN PHILOSOPHY (AT950)

INTRODUCTION

To provide graduates with the ability to carry out research and solve problems at the forefront of their respective fields while at the same time, facilitates discovery and contribute to new knowledge.

DURATION OF STUDY

MODE OF STUDY	MINIMUM	MAXIMUM
FULL TIME	6 SEMESTER (3 YEARS)	10 SEMESTER (5 YEARS)
PART TIME	6 SEMESTER (3 YEARS)	12 SEMESTER (6 YEARS)

ADMISSION REQUIREMENT

Candidates applying for this course should fulfill the following qualifications:

- A Master's Degree in a science-related field from UiTM or any institutions of higher learning recognized by the UiTM Senate; or
- An equivalent qualification to a Master Degree in a science-related field recognized by UiTM Senate together with relevant experience.

MASTER OF SCIENCE (AT 750)

INTRODUCTION

To provide graduates with the advanced knowledge and capabilities to deal with complex scientific problems related to plantation and agrotechnology area.

DURATION OF STUDY

MODE OF STUDY	MINIMUM	MAXIMUM
FULL TIME	4 SEMESTER (2 YEARS)	6 SEMESTER (3 YEARS)
PART TIME	4 SEMESTER (2 YEARS)	8 SEMESTER (4 YEARS)

ADMISSION REQUIREMENT

Candidates applying for this course should fulfill the following qualifications:

- A Bachelor's Degree with minimum of second class Honours Degree or CGPA of 2.75 in a science-related field from UiTM or any institutions of higher learning recognized by the UiTM Senate; or
- An equivalent qualification to an Honours Degree in a science-related field recognized by UiTM Senate together with relevant experience.

COURSEWORK PROGRAMMES

MASTER IN PLANTATION INDUSTRY MANAGEMENT (AT 770)

INTRODUCTION

This programme consists of 30% technology courses and 70% management courses mostly specific to plantation and agricultural sectors. The technology component emphasizes advance crop production technology in accordance with present and future development in the plantation sector. It also covers safety of agricultural production both for domestic as well as export market. The management component, on the other hand, covers a wide range of subject matters ranging from operational management in plantations to international agriculture trading.

OBJECTIVES OF PROGRAMME

- To enhance knowledge related to plantation technology, management and entrepreneurship of the plantation executive staff.
- To enhance professionalism in plantation industry by acquisition of professional postgraduate degree.

DURATION OF STUDY

MODE OF STUDY	MINIMUM	MAXIMUM
FULL TIME	3 SEMESTER (1.5 YEARS)	4 SEMESTER (2 YEARS)
PART TIME	3 SEMESTER (1.5 YEARS)	6 SEMESTER (3 YEARS)

ADMISSION REQUIREMENT

Candidates applying for this course should fulfill the following qualifications:

- A Bachelor's Degree in plantation or its equivalent from any recognized institution with a CGPA of at least 2.75; or
- A Bachelor's Degree in plantation or its equivalent from any recognized institution with a CGPA of at least 2.50 and 2 years working experience; or
- Other qualifications recognized by the Senate of the University.