



Master in Tropical Biology

Department of Biology, Faculty of Science, UPM

Program Synopsis

Designed to enhance knowledge and produce professionals as well as PhD candidates.

The program emphasize on Tropical Biodiversity, Ecology, Genetics and Physiology that enable students to integrate theories and applications, as well as addressing the current issues related to tropical environment.

Who Should Enrol?

Teachers, Lecturers, Researchers, Fresh Graduates

**September Enrolment
@ Serdang Campus**

For any enquiry please contact
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30% selective candidates
10% organization group candidates

01

Study Period

Min 3 semesters (1 ½ year)

Max 6 semesters (2 years)

02

Entry Requirements

Local:

A Bachelor's degree in the field or related fields with a minimum CGPA of 2.750 or equivalent as accepted by the UPM Senate, Or

A Bachelor's degree in the field or related fields with range CGPA of 2.500 - 2.749 + rigorous internal assessment by Faculty/School/Institute, Or

A bachelor's degree in the field or related fields or equivalent with a range of CGPA 2.000 - 2.499 + rigorous internal assessment by Faculty/School/Institute.

International:

Equal approvals as above and submit relevant documents for Senate consideration.

English (minimum 550 TOEFL or 6.0 IELTS).

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Total 40 Credits

28 Credits (Main courses)

12 Credits (Elective courses)

Master Dissertation

Seminar Mobility

Field Trips

04

Fees

Local *RM375/credit:

1st semester: RM1,206 + RM6,000 (Fee + 16 credit*)

2nd semester: RM950 + RM6,750 (Fee + 18 credit*)

3rd semester: RM950 + RM2,250 (Fee + 6 credit*)

International *RM400/credit:

1st semester: RM2,206 + RM6,400 (Fee + 16 credit*)

2nd semester: RM1,950 + RM7,200 (Fee + 18 credit*)

3rd semester: RM1,950 + RM2,400 (Fee + 16 credit*)

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Study Scheme

SEMESTER 1 (14 week lectures + 2 weeks exam)

Course code	Course Name	Credits
BGY5101	Biosystematic of Tropical Organism	4(3+1)
BGY5301	Tropical Environmental Physiology	3(3+0)
BGY5404	Tropical Ecology	3(3+0)
BGY5508	Advanced Genetics	3(3+0)
BGY5701	Applied Biostatistics	3(3+0)
Total Credits		16

SEMESTER 2 (14 week lectures + 2 weeks exam)

Course code	Course Name	Credits
BGY5901	Research Methodology	3(3+0)
BGY5902	Special Techniques in Tropical Biology	3(3+0)
	Elective Course	3(2+1)
BGY5990	Master Dissertation	3(0+3)
Total Credits		12

SEMESTER 3 (14 week lectures + 2 weeks exam)

Course code	Course Name	Credits
	Elective Course	3(3+0)
	Elective Course	3(2+1)
	Elective Course	3(3+0)
BGY5990	Master Dissertation	3(0+3)
Total Credits		12

Elective Courses (Biodiversity)

BGY5102	Commercial Tropical Organism Biochemistray	3(2+1)
BGY5103	Tropical Invertebrate Biology	3(2+1)
BGY5104	Advanced Mycology	3(2+1)
BGY5107	Conservation of Biodiversity	3(3+0)
BGY5108	Tropical Wildlife Conservation	3(3+0)

Elective Courses (Ecology)

BGY4406	Biology and Ecology of Seagrass	4(3+1)
BGY5401	Advanced Ecotoxicology	3(3+0)
BGY5402	Marine Benthic Ecology	3(3+0)
BGY5403	Advanced Limnology	3(2+1)
BGY5405	Bioremediation of Tropical Aquatic Ecosystem	3(3+0)
BGY5406	Behavioural Ecology	3(3+0)

Elective Courses (Physiology)

BGY4304	Developmental Ecotoxicology	3(2+1)
BGY5301	Tropical Ichthyology	3(3+0)
BGY5303	Endocrine and Reproductive of Tropical Animals	3(3+0)

Elective Courses (Genetics)

BGY5509	Conservation Genetics	3(3+0)
BGY5510	Advanced Genetic Polymorphism	3(3+0)
BGY5511	Genetic Technologies for Tropical Biology Research	3(2+1)