

PROGRAMMES BY COURSEWORK					
PROGRAMME	CREDIT REQ.	FEE (RM)			TOTAL (3 YEARS)
		CREDIT FEE	1 <sup>ST</sup> SEM	SUB.	
FACULTY OF AGRICULTURE					
Master of Land Resources	40	700	2,206	1,950	39,956
Master of Plantation Management	40	700	2,206	1,950	39,956
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY					
Master of Computer Science	40	400	2,206	1,950	27,956
Master of Information Security	40	400	2,206	1,950	27,956
Master of Software Engineering	40	400	2,206	1,950	27,956
FACULTY OF DESIGN AND ARCHITECTURE					
Master of Landscape Architecture	62	350	2,206	1,950	33,656
Master of Architecture	65	350	2,206	1,950	34,706
FACULTY OF ECONOMICS AND MANAGEMENT					
Master of Economics	40	400	2,206	1,950	27,956
FACULTY OF EDUCATIONAL STUDIES					
Master of Education (Curriculum and Instruction)	40	350	2,206	1,950	25,956
Master of Education (Educational Administration)	40	350	2,206	1,950	25,956
Master of Education (Educational Psychology)	40	350	2,206	1,950	25,956
Master of Education (Educational Technology)	40	350	2,206	1,950	25,956
Master of Education (Guidance and Counselling)	48	350	2,206	1,950	28,756
Master of Education (Physical Education)	40	350	2,206	1,950	25,956
Master of Education (Sport Science)	40	350	2,206	1,950	25,956
Master of Education (Teaching of English as a Second Language (TESL))	40	350	2,206	1,950	25,956
Master of Education (Teaching of Malay as a First Language)	40	350	2,206	1,950	25,956
Master of Education (Technical and Vocational Education)	40	350	2,206	1,950	25,956
Master of Human Resource Development	40	350	2,206	1,950	25,956
FACULTY OF ENVIRONMENTAL STUDIES					
Master of Environment	40	400	2,356	2050	28,606
FACULTY OF ENGINEERING					
Master of Emergency Response and Planning	40	350	2,206	1,950	25,956
Master of Engineering Management	40	350	2,206	1,950	25,956
Master of Environmental Engineering	40	350	2,206	1,950	25,956
Master of Environmental Technology Management	40	350	2,206	1,950	25,956
Master of Highway and Transportation Engineering	40	350	2,206	1,950	25,956
Master of Innovation and Engineering Design	40	350	2,206	1,950	25,956
Master of Manufacturing Systems Engineering	40	350	2,206	1,950	25,956
Master of Process Safety and Loss Prevention	40	350	2,206	1,950	25,956
Master of Remote Sensing and GIS	40	350	2,206	1,950	25,956
Master of Structural Engineering and Constructions	40	350	2,206	1,950	25,956
Master of Water Engineering	40	350	2,206	1,950	25,956
Master of Water Management	40	350	2,206	1,950	25,956
FACULTY OF FOOD SCIENCE AND TECHNOLOGY					
Master of Food Technology	41	500	2,206	1,950	32,456
Master Food Safety and Quality Assurance	42	500	2,206	1,950	32,956
FACULTY OF MODERN LANGUAGES AND COMMUNICATION					
Master of Applied Linguistics	40	300	2,206	1,950	23,956
Master of Corporate Communication	40	300	2,206	1,950	23,956
Master of Malay Language	40	300	2,206	1,950	23,956
Master of World Literature	40	300	2,206	1,950	23,956
FACULTY OF SCIENCE					
Master of Applied Statistics	40	400	2,206	1,950	27,950

#### DURATION OF STUDY

PROGRAMME	CREDIT REQUIREMENT	DURATION OF STUDIES	MINIMUM	MAXIMUM
			Semesters	Semesters
Doctor of Philosophy	Depends on supervisor's recommendation	5 Years	6	10
Master by research	Depends on supervisor's recommendation	3 Years	2	6
Master by coursework	40-65 credits	3 Years	2 1/2	6

#### TUITION FEE FOR PROGRAMME BY RESEARCH

CLUSTER OF FIELD OF STUDY	MASTER (RM)				TOTAL (3 YEARS)
	1 <sup>ST</sup> SEM	2 <sup>ND</sup> – 3 <sup>RD</sup> SEM	4 <sup>TH</sup> SEM	5 <sup>TH</sup> AND SUBSEQUENT SEM	
SCIENCE	6,506	4,250	3,750	4,000	26,756
SOCIAL SCIENCE	5,756	3,850	3,350	3,600	24,006
CLUSTER OF FIELD OF STUDY	PhD (RM)				TOTAL (5 YEARS)
	1 <sup>ST</sup> SEM	2 <sup>ND</sup> – 4 <sup>TH</sup> SEM	5 <sup>TH</sup> -6 <sup>TH</sup> SEM	7 <sup>TH</sup> AND SUBSEQUENT SEM	
SCIENCE	7,118.50	5,162.50	4,600	5,100	52,206
SOCIAL SCIENCE	5,768.50	4,012.50	3,450	3,800	39,906

#### PROGRAMMES BY RESEARCH

UPM currently offers five (5) programmes by research as follows:

Doctor of Philosophy (PhD)	Master of Arts (M.A)
Doctor of Engineering (DEng)	Master of Science (M.Sc.)
	Master of Veterinary Science (M.V.Sc.)

**265 fields of study are available under 16 Faculties and 9 Institutes:**

FACULTY OF AGRICULTURE	
Agribusiness	Food Science
Agricultural Economics	Food Technology
Agricultural Extension	Genetics
Agricultural Technology	Genetics and Breeding
Agronomy	Halal Products Development
Animal Behavior And Welfare	Halal Products Management
Animal Biotechnology	Halal Products Science
Animal Nutrition	Horticulture
Animal Physiology	Land Resource Management
Animal Production	Marine Ecology and Biodiversity
Animal Science	Microbial Biotechnology
Animal Waste Management	Microbiology
Animal Welfare	Molecular Biology and Genetic Engineering
Aquaculture	Molecular Biotechnology
Biodiversity And Conservation of Natural Resources	Nutrition
Entomology	Pest Management
Environmental Pollution Control Technology	Plant Pathology
Environmental Quality and Conservation	Plant Science
Farm Structures	Soil Science
Fisheries Science	Theriogenology and Cytogenetic
Food Biotechnology	Wildlife and Exotic Animal Health
Food Safety	Wildlife Ecology And Management

#### FACULTY OF AGRICULTURE AND FOOD SCIENCES (BINTULU)

Agribusiness	Horticulture
Agricultural Technology	Human Development
Agronomy	Land Resource Management
Analytical Chemistry	Landscape Studies
Animal Production	Marine and Freshwater Ecosystems
Applied Mathematics	Marine Ecology and Biodiversity
Aquaculture	Materials Science
Biodiversity And Conservation Of Natural Resources	Microbial Biotechnology
Bioinformatics And System Biology	Microbiology
Bioresource and Technology	Molecular Biology and Genetic Engineering
Business Economics	Molecular Biotechnology
Ecology	Pest Management
Economics	Philosophy and Civilization Studies
Entomology	Physics
Environmental Hydrology and Hydrogeology	Plant Biotechnology
Environmental Quality and Conservation	Plant Pathology
Fisheries Science	Plant Physiology
Food Biotechnology	Pure Mathematics
Food Science	Soil Science
Forest Management and Ecosystem Sciences	Sustainable Recreation and Ecotourism
Genetics and Breeding	Wildlife Ecology And Management

#### FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES

Biochemistry	Microbial Biotechnology
Bioinformatics and System Biology	Microbiology
Cell Biotechnology	Molecular Biology and Genetic Engineering
Environmental Biotechnology	Nanobiotechnology
Enzyme Biotechnology	Plant Biotechnology
Food Biotechnology	Structural Biology
Industrial Biotechnology	

#### FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Agricultural Technology	Intelligent Systems
Bioinformatics and System Biology	Multimedia Computing
Computer and Embedded Systems Engineering	Parallel and Distributed Computing
Computer Networks	Security In Computing
Database Systems	Signal Processing
Human Computer Interaction	Software Engineering
Information Systems	Wireless Communications and Networks Engineering

#### FACULTY OF DESIGN AND ARCHITECTURE

Architectural Studies	Landscape Studies
Industrial Design Studies	Urban Planning And Design

#### FACULTY OF FORESTRY

Bioresource and Technology	Sustainable Recreation and Ecotourism
Forest Management and Ecosystem Sciences	Wildlife Ecology and Management

#### FACULTY OF FOOD SCIENCE AND TECHNOLOGY

Food Technology	Food Management
Food Service Management	Food Biotechnology
Food Science	Molecular Biology And Genetic Engineering
Food Safety	Hospitality
Food Management	Halal Products Management
Food Biotechnology	

#### FACULTY OF VETERINARY MEDICINE

Agribusiness	Genetics and Breeding
Anesthesiology and Analgesic	Immunobiology
Anatomy and Histology	Laboratory Animal Medicine
Animal Biotechnology	Molecular Biology and Genetic Engineering
Animal Physiology	Nutrition
Animal Production	Parasitology
Animal Science	Pathology
Animal Welfare	Pharmacology and Toxicology
Aquaculture	Radiology and Imaging
Aquatic Animal Health	Ruminant Medicine
Avian Medicine	Small Animal Medicine
Bacteriology	Surgery
Biochemistry	Swine Medicine
Cancer Biology and Oncology	Theriogenology and Cytogenetics
Clinical Pathology	Vaccine and Therapeutics
Epidemiology and Public Health	Virology
Equine Medicine	Wildlife and Exotic Animal Health

#### FACULTY OF ENGINEERING

Aerospace Engineering	Geotechnical and Geological Engineering
Agricultural Mechanization and Automation	Highway and Transportation Engineering
Agricultural Process Engineering	Industrial Engineering
Agricultural Waste Engineering	Manufacturing Systems Engineering
Automotive Engineering	Materials Engineering
Biochemical Engineering	Mechanical Engineering
Biomedical Engineering	Packaging Engineering
Chemical Engineering	Photonics Engineering
Computational Methods In Engineering	Project Management
Computer and Embedded Systems Engineering	Remote Sensing
Computer Networks	Safety, Health and Emergency Management
Control System Engineering	Sensor Technology
Electrical Power Engineering	Signal Processing
Electronic Engineering	Soil and Water Engineering
Environmental Engineering	Structural Engineering
Farm Structures	Water Resources Engineering
Food Engineering	Wireless Communications and Networks Engineering
Geographic Information System	
Geospatial Engineering	

#### FACULTY OF ENVIRONMENTAL STUDIES

Environmental Education and Ethics	Environmental Pollution Control Technology
Environmental Hydrology and Hydrogeology	Environmental Quality and Conservation
Environmental Economics, Planning and Management	Environmental System and Modeling
Environmental Policy and Governance	Marine and Freshwater Ecosystem

#### FACULTY OF MEDICINE AND HEALTH SCIENCES

Applied Physics	Medical Parasitology
Biochemistry	Medical Sciences
Bioinformatics and System Biology	Microbial Biotechnology
Cancer Biology and Oncology	Molecular Biology and Genetic Engineering
Chemical Pathology	Molecular Biotechnology
Clinical Nutrition	Molecular Imaging
Community Nutrition	Molecular Medicine
Environmental Health	Neuroscience
Epidemiology and Biostatistics	Nursing
Forensic Science	Nutritional Sciences
Hematology	Occupational Safety and Health
Health Education and Communication	Pharmacology and Toxicology
Health Promotion	Psychological Medicine
Health Service Management	Public Health
Human Anatomy	Radiology and Imaging
Human Genetics	Safety, Health And Emergency Management
Human Physiology	Social Gerontology
Immunobiology	Stem Cell
Immunopharmacology	Structural Biology
Materials Science	Youth Studies
Medical Microbiology	

#### INSTITUTE FOR MATHEMATICAL RESEARCH

Analytical and Structural Mathematics	Fluid Dynamics
Applied and Computational Statistics	History and Philosophy of Mathematics
Computable Structures and Scientific Computing	Mathematical and Computational Biology
Computational Electromagnetics	Mathematical Cryptography
Computational Mathematics	Mathematical Physics and Engineering
Computational Operations Research	Mathematics Education
Ethnomathematics	Parallel and Distributed Computing
Financial Mathematics	Security In Computing

#### INSTITUTE OF ADVANCED TECHNOLOGY

Advanced Materials	Green Engineering
Agricultural Mechanisation and Automation	Materials Engineering
Analytical Chemistry	Materials Science
Chemical Engineering	Nanoscience
Electronic Engineering	Nanotechnology
Energy	Sensor Technology

#### HALAL PRODUCTS RESEARCH INSTITUTE

Halal Products Science	Halal Products Management
Halal Products Development	Shariah and Halal Laws

#### INSTITUTE OF GERONTOLOGY

Gerontechnology	Social Gerontology
Medical Gerontology	



### FACULTY OF SCIENCE

Advanced Materials  
Agricultural Extension  
Agricultural Technology  
Analytical Chemistry  
Animal Physiology  
Animal Production  
Applied Mathematics  
Applied Physics  
Aquaculture  
Aquatic Animal Health  
Aquatic Biotechnology  
Bacteriology  
Biochemistry  
Biocomposite Technology and Design  
Biodiversity and Conservation of Natural Resources  
Bioresource Management  
Biotherapeutics  
Cancer Biology and Oncology  
Catalysis  
Ecology  
Energy  
Entomology  
Environmental Biotechnology  
Environmental Health  
Environmental Quality and Conservation  
Enzyme Biotechnology  
Epidemiology and Biostatistics  
Epidemiology and Public Health  
Fisheries Science  
Food Engineering  
Genetics  
Halal Products Development

Industrial Biotechnology  
Inorganic Chemistry  
Marine and Freshwater Ecosystem  
Materials Science  
Medical Parasitology  
Medicinal Chemistry  
Metabolomics  
Microbial Biotechnology  
Microbiology  
Molecular Biotechnology  
Nanomedicine  
Nanoscience  
Nanotechnology  
Neuroscience  
Numerical Analysis  
Organic Chemistry  
Pest Management  
Pharmacology and Toxicology  
Physical Chemistry  
Physics  
Phytochemistry  
Plant Biotechnology  
Plant Pathology  
Plant Physiology  
Pure Mathematics  
Sensor Technology  
Statistics  
Stem Cell  
Structural Biology  
Theoretical and Computational Chemistry  
Theoretical and Computational Physics  
Wildlife Ecology and Management

### INSTITUTE OF TROPICAL AGRICULTURE

Agronomy  
Animal Behavior and Welfare  
Animal Biotechnology  
Animal Nutrition  
Animal Physiology  
Animal Production  
Animal Waste Management  
Bioinformatics and System Biology  
Food Safety  
Genetics and Breeding

Horticulture  
Microbial Biotechnology  
Molecular Biology and Genetic Engineering  
Plant Biotechnology  
Plant Pathology  
Plant Physiology  
Post-Harvest Technology  
Soil Science  
Weed Science

### FACULTY OF EDUCATIONAL STUDIES

Curriculum and Instruction  
Educational Administration  
Educational Psychology  
Educational Technology  
Extension Education  
Guidance and Counselling  
Human Resource Development  
Health Education and Communication

Moral Education  
Physical Education  
Sociology of Education  
Sport Science  
Teaching of English As A Second Language  
Teaching of Malay As A First Language  
Teaching of Malay Literature  
Technical and Vocational Education

### INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCT

Biocomposite Technology and Design  
Biopolymer, Pulp and Paper Technology  
Bioresource Management  
Environmental Quality and Conservation

Forest Management and Ecosystem Sciences  
Materials Science  
Microbial Biotechnology  
Nanobiotechnology  
Natural Resource Policy  
Tropical Rainforest Ecosystem Services

### FACULTY OF HUMAN ECOLOGY

Community Development  
Consumer Science  
Developmental Psychology  
Family Ecology  
Family Economics and Management  
Gender and Development  
Housing Studies

Human Development  
Music  
Philosophy and Civilization Studies  
Politics and Government  
Psychology of Child Development  
Social Psychology

### FACULTY OF ECONOMICS AND MANAGEMENT

Business Economics  
Economics

Tourism  
Hospitality

### FACULTY OF MODERN LANGUAGES AND COMMUNICATION

Applied Comparative Linguistics  
Arabic Language  
Chinese Literature  
English Language  
Communication Technology  
Development Communication  
Discourse Studies  
English Literature  
Human Communication

Journalism  
Literary And Cultural Studies  
Literacy Studies  
Malay Language  
Malay Literature  
Mass Communication  
Organizational Communication  
Translation And Interpretation

### INSTITUTE OF SOCIAL SCIENCE STUDIES

Community Education And Development  
Leadership Studies

Rural Advancement  
Youth Studies

### INSTITUTE OF AGRICULTURAL AND FOOD POLICY STUDIES

Agricultural Policy  
Natural Resource Policy

### INSTITUTE OF BIOSCIENCE

Aquatic Biotechnology  
Bioinformatics and System Biology  
Biotherapeutics  
Cancer Biology and Oncology  
Cell Biotechnology  
Enzyme Biotechnology  
Genetics  
Human Genetics  
Immunobiology  
Industrial Biotechnology

Marine and Freshwater Ecosystem  
Marine Ecology and Biodiversity  
Medical Biotechnology  
Medicinal Chemistry  
Metabolomics  
Microbial Biotechnology  
Molecular Biotechnology  
Nanomedicine  
Pharmacology and Toxicology  
Phytochemistry  
Vaccine and Therapeutics

### ACADEMIC REQUIREMENT

Grade	Master		Doctor of Philosophy (PhD)
	By research	By coursework	
≥3.00	√	√	√
2.5-2.75	x	√ + 3 years working experience in related field	x

### ENGLISH LANGUAGE REQUIREMENTS

QUALIFICATION	TYPE OF OFFER	
	FULL OFFER	PROVISIONAL
International English Language Testing Service (IELTS) Please note that we only accept the Academic Version of the IELTS test.	Band 6.0  Band 4.0 only for Malay language, Arabic, Chinese Literature	Band 5.5
Test of English as a Foreign Language (TOEFL), Paper Based	550  400 for Band 4.0 only for Malay language, Arabic, Chinese Literature	500-549
Test of English as a Foreign Language (TOEFL), internet-based test (IBT)	79-80	61-78
Test of English as a Foreign Language (TOEFL), computer-based test (CBT)	213	173-212
CERTIFIED INTENSIVE ENGLISH PROGRAMME (CIEP) – ELS-UPM	Level 109	Level 107-108



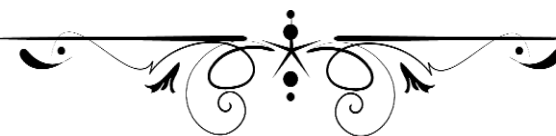
## UPM OFFERS 2 INTAKES IN A YEAR: FEBRUARY & SEPTEMBER

### HOW TO APPLY



Please sign up and submit your application via online:  
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**Bank Branch : UPM, SERDANG BRANCH**  
**Swift Code : CIBBMYKL**

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### INTERNATIONAL



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