





**FOR  
INTERNATIONAL**



[www.sgs.upm.edu.my](http://www.sgs.upm.edu.my)

**postgraduate**  
programmes

265 fields of study  
16 faculties  
9 institutes



SEKOLAH PENGAJIAN SISWAZAH  
(SCHOOL OF GRADUATE STUDIES)

## PROGRAMME BY COURSEWORK

PROGRAMME	FEE (RM)				
	CREDIT REQ.	CREDIT FEE	1 <sup>st</sup> SEM	SUBSEQUENT	TOTAL (3 YEARS)
<b>FACULTY OF AGRICULTURE</b>					
Master of Land Resources	40	700	2,206	1,950	39,956
Master of Plantation Management	40	700	2,206	1,950	39,956
<b>FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY</b>					
Master of Computer Science	40	400	2,206	1,950	27,956
<b>FACULTY OF DESIGN AND ARCHITECTURE</b>					
Master of Landscape Architecture	62	350	2,206	1,950	33,656
<b>FACULTY OF ECONOMICS AND MANAGEMENT</b>					
Master of Economics	40	400	2,206	1,950	27,956
<b>FACULTY OF EDUCATIONAL STUDIES</b>					
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
<b>FACULTY OF ENVIRONMENTAL STUDIES</b>					
Master of Environment	40	400	2,356	2050	28,606
<b>FACULTY OF ENGINEERING</b>					
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
<b>FACULTY OF FOOD SCIENCE AND TECHNOLOGY</b>					
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
<b>FACULTY OF MODERN LANGUAGES AND COMMUNICATION</b>					
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
<b>FACULTY OF SCIENCE</b>					
Master of Applied Statistics	40	400	2,206	1,950	27,950

## PROGRAMME BY RESEARCH

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

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

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

<b>FACULTY OF AGRICULTURE</b>	
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
<b>FACULTY OF AGRICULTURE AND FOOD SCIENCES</b>	
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
<b>FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES</b>	
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	
<b>FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY</b>	
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
<b>FACULTY OF DESIGN AND ARCHITECTURE</b>	
Architectural Studies	Landscape Studies
Industrial Design Studies	Urban Planning And Design
Integrated Design Studies	

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

## 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 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 FORESTRY

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

## 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	

### FACULTY OF SCIENCE

Advanced Materials	Industrial Biotechnology
Agricultural Extension	Inorganic Chemistry
Agricultural Technology	Marine and Freshwater Ecosystem
Analytical Chemistry	Materials Science
Animal Physiology	Medical Parasitology
Animal Production	Medicinal Chemistry
Applied Mathematics	Metabolomics
Applied Physics	Microbial Biotechnology
Aquaculture	Microbiology
Aquatic Animal Health	Molecular Biotechnology
Aquatic Biotechnology	Nanomedicine
Bacteriology	Nanoscience
Biochemistry	Nanotechnology
Biocomposite Technology and Design	Neuroscience
Biodiversity and Conservation of Natural Resources	Numerical Analysis
Bioresource Management	Organic Chemistry
Biotherapeutics	Pest Management
Cancer Biology and Oncology	Pharmacology and Toxicology
Catalysis	Physical Chemistry
Ecology	Physics
Energy	Phytochemistry
Entomology	Plant Biotechnology
Environmental Biotechnology	Plant Pathology
Environmental Health	Plant Physiology
Environmental Quality and Conservation	Pure Mathematics
Enzyme Biotechnology	Sensor Technology
Epidemiology and Biostatistics	Statistics
Epidemiology and Public Health	Stem Cell
Fisheries Science	Structural Biology
Food Engineering	Theoretical and Computational Chemistry
Genetics	Theoretical and Computational Physics
Halal Products Development	Wildlife Ecology and Management

### FACULTY OF EDUCATIONAL STUDIES

Curriculum and Instruction	Moral Education
Educational Administration	Physical Education
Educational Psychology	Sociology of Education
Educational Technology	Sport Science
Extension Education	Teaching of English As A Second Language
Guidance and Counselling	Teaching of Malay As A First Language
Human Resource Development	Teaching of Malay Literature
Health Education and Communication	Technical and Vocational Education

### FACULTY OF HUMAN ECOLOGY

Community Development	Human Development
Consumer Science	Music
Developmental Psychology	Philosophy and Civilization Studies
Family Ecology	Politics and Government
Family Economics and Management	Psychology of Child Development
Gender and Development	Social Psychology
Housing Studies	

### FACULTY OF ECONOMICS AND MANAGEMENT

Business Economics	Tourism
Economics	Hospitality

### FACULTY OF MODERN LANGUAGES AND COMMUNICATION

Applied Comparative Linguistics	Journalism
Arabic Language	Literary And Cultural Studies
Chinese Literature	Literacy Studies
English Language	Malay Language
Communication Technology	Malay Literature
Development Communication	Mass Communication
Discourse Studies	Organizational Communication
English Literature	Translation And Interpretation
Human Communication	

## DURATION OF STUDY

PROGRAMME	CREDIT REQUIREMENT	DURATION OF STUDIES	MINIMUM		MAXIMUM	
			Semesters	Semesters	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	40-62 credits	3 Years	2 1/2		6	

### HALAL PRODUCTS RESEARCH INSTITUTE

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

### 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

### INSTITUTE OF BIOSCIENCE

Aquatic Biotechnology	Marine and Freshwater Ecosystem
Bioinformatics and System Biology	Marine Ecology and Biodiversity
Biotherapeutics	Medical Biotechnology
Cancer Biology and Oncology	Medicinal Chemistry
Cell Biotechnology	Metabolomics
Enzyme Biotechnology	Microbial Biotechnology
Genetics	Molecular Biotechnology
Human Genetics	Nanomedicine
Immunobiology	Pharmacology and Toxicology
Industrial Biotechnology	Phytochemistry
	Vaccine and Therapeutics

### INSTITUTE OF GERONTOLOGY

Gerontechnology	Social Gerontology
Medical Gerontology	

### INSTITUTE OF TROPICAL AGRICULTURE

Agronomy	Horticulture
Animal Behavior and Welfare	Microbial Biotechnology
Animal Biotechnology	Molecular Biology and Genetic Engineering
Animal Nutrition	Plant Biotechnology
Animal Physiology	Plant Pathology
Animal Production	Plant Physiology
Animal Waste Management	Post-Harvest Technology
Bioinformatics and System Biology	Soil Science
Food Safety	Weed Science
Genetics and Breeding	

### INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCT

Biocomposite Technology and Design	Forest Management and Ecosystem Sciences
Biopolymer, Pulp and Paper Technology	Materials Science
Bioresource Management	Microbial Biotechnology
Environmental Quality and Conservation	Nanobiotechnology
	Natural Resource Policy
	Tropical Rainforest Ecosystem Services

### INSTITUTE OF SOCIAL SCIENCE STUDIES

Community Education And Development	Rural Advancement
Leadership Studies	Youth Studies

### INSTITUTE OF AGRICULTURAL AND FOOD POLICY STUDIES

Agricultural Policy	Natural Resource Policy
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## 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	
MEDICAL	7,006	4,100	3,600	4,350	27,506
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	
MEDICAL	8,768.50	5,562.50	5,000	5,500	57,456
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

## 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

## HOW TO APPLY

Please sign up and submit your application via online:  
<http://sgsportal.upm.edu.my/j2ee/portal/guide/sgs.isp>  
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