

List of Courses Offered offered at the following faculties

No	Faculty name	Abbreviation
1	Faculty of Engineering	FK
2	Faculty of Computer Science and Information Technology	FSKTM
3	Faculty of Biotechnology and Biomolecular Sciences	FBSB
4	School of Business and Economics	SPE
5	Faculty of Human Ecology	FEM
6	Faculty of Modern Language and Communications	FBMK
7	Faculty of Agriculture	FP
8	Faculty of Veterinary Medicine	FPV
9	Faculty of Design and Architecture	FRSB
10	Faculty of Science	FS
11	Faculty of Food Science and Technology	FSTM

LIST OF COURSES (CODE 4000 & 5000)

FACULTY OF AGRICULTURE			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF LAND RESOURCE MANAGEMENT	LAR5510	URBAN AND REGIONAL PLANNING	3 (3+0)
	EMG5505	LAND DEVELOPMENT AND ENVIRONMENT	3 (3+0)
	EPT5204	BIORESOURCE AND ENVIRONMENTAL ECONOMICS	4 (4+0)
	SST5002	LAND LAWS AND LAND ADMINISTRATION LAWS IN MALAYSIA	3 (3+0)
	SST5201	LAND EVALUATION	3 (3+0)
	SST5601	SUSTAINABLE LAND DEVELOPMENT	3 (3+0)
	SST5602	LAND USE PLANNING AND MANAGEMENT	3 (3+0)
MASTER OF PLANTATION MANAGEMENT	PPT5204	PLANTATION OPERATIONS MANAGEMENT	3 (3+0)
	PRT5601	RESEARCH METHODS IN AGRICULTURE	3 (3+0)
	SST5801	LAND CONTAMINATION AND POLLUTION	3 (3+0)
	PLP5003	PEST MANAGEMENT IN PLANTATION CROPS	3 (3+0)
	SST5603	LAND MANAGEMENT FOR PLANTATION CROPS	3 (3+0)
	PPT5301	AGRIBUSINESS MARKETING	3 (3+0)

LIST OF COURSES (CODE 4000 & 5000)			
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF COMPUTER SCIENCE	SSK5090	Research Methods in Computer Science	3 (3+0)
	SSK5212	Big Data Technology	3 (3+0)
	SSK5210	Empirical Methods in Computer Science	3 (3+0)
	SSK5221	Internet of Things	3 (3+0)
	SSK5500	Security in Computing	3 (3+0)
	SSK5603	Machine Learning	3 (3+0)
	SKR5306	Advanced Computer Networks	3 (3+0)
	SSK5989	Dissertation	10 (0+10)
	SKR5302	Advance Distributed Computing	3 (3+0)
	SKR5308	Real-Time Systems	3 (3+0)
	SKR5501	Performance Modeling of Communication Networks	3 (3+0)
	SKM5301	Advanced Computer Graphics	3 (3+0)
	SKM5303	Computer Vision	3 (3+0)
	SSK5606	Advanced Natural Language Processing	3 (3+0)
	SSK5608	Evolutionary Computing	3 (3+0)
	SSK5611	Massive Data Mining	3 (3+0)
	SSK5251	Data Analysis and Statistical Inference	3 (3+0)
	SSK5102	Big Data Computing	3 (3+0)
SSK5220	Cyber-Physical Systems Modeling	3 (3+0)	
SSK5223	Pervasive Computing for Cyber- Physical System	3 (3+0)	
MASTER OF INFORMATION SECURITY	SSK 5090	Research Methods in Computer Science	3 (3+0)
	SSK 5207	Cyber Law and Ethics	3 (3+0)
	SSK 5500	Security in Computing	3 (3+0)
	SSK 5501	Information Security Management	3 (3+0)
	SSK 5502	Penetration Testing	3 (3+0)
	SSK 5505	Internet Security and Cloud Computing	3 (3+0)
	SSK 5507	Cryptography and Security Protocol	3 (3+0)
	SSK 5508	Computer Forensic and Investigation	3 (3+0)
	SSK 5980	Seminar in Computer Science	1 (1+0)
	SSK 5504	Software Security	3 (3+0)
	SSK 5509	Trusted Computing	3 (3+0)
	SSK 5510	Steganography	3 (3+0)
	SSK 5514	Intrusion Detection System	3 (3+0)
	SSK 5517	Advanced Cryptography	3 (3+0)
SSK 5527	Cryptanalysis	3 (3+0)	
MASTER OF SOFTWARE ENGINEERING	SSE 5090	Research Methods in Software Engineering	3 (3+0)
	SSE 5203	Project Management for Software Construction	3 (3+0)
	SSE 5204	Software Development Methodology	3 (3+0)
	SSE 5206	Software Measurement	3 (3+0)
	SSE 5210	Empirical Methods for Software Engineering	3 (3+0)
	SSE 5302	Requirements Engineering	3 (3+0)
	SSE 5303	Software Modelling	3 (3+0)
	SSE 5304	Software Testing	3 (3+0)
	SSE 5980	Seminar in Software Engineering	1 (1+0)
	SSE 5205	Software Architecture and Design	3 (3+0)
	SSE 5211	Formal Methods	3 (3+0)
	SSE 5212	Human-Computer Interface	3 (3+0)
	SSE 5305	Web Engineering	3 (3+0)
	SSK 5504	Software Security	3 (3+0)
MASTER OF COMPUTER NETWORK	SRK5090	Research Methods in Computer Networks	3(3+0)
	SKR5201	Network and Communication Security	3(3+0)
	SKR5302	Advanced Distributed Computing	3(3+0)
	SKR5307	Communication Technology and Networks	3(3+0)
	SKR5501	Performance Modeling of Communication Networks	3(3+0)
	SKR5401	Wireless Pervasive Computing	3(3+0)
	SKR5406	Cloud Computing Architecture	3(3+0)
	SSK5988	Dissertation	10(0+10)
	SKR5308	Real Time Systems	3 (3+0)
	SKR5400	Distributed High-Performance Computing	3 (3+0)
	SKR5403	Quantum Computing	3 (3+0)
	SKR5407	Software Defined Network	3 (3+0)
SKR5408	Big Data Distributed System Architecture	3 (3+0)	

LIST OF COURSES (CODE 4000 & 5000)			
FACULTY OF DESIGN AND ARCHITECTURE			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER IN INDUSTRIAL DESIGN INNOVATION	MDS5200	Furniture Design Studio	5(1+4)
	MDS5201	Product Design Studio	5(1+4)
	MDS5202	Interaction Design Studio	5(1+4)
	MDS5300	Design Philosophy	3(3+0)
	MDS5400	New Digital Media	3(1+2)
	MDS5700	New Product Development	3(3+0)
	MDS5900	Design Research Strategy	3(1+2)
	MDS5100	User Product Trend	3(3+0)
	MDS5101	Branding and Packaging Design	3(3+0)
	MDS5102	Sustainable Furniture Design	3(3+0)
	MDS5600	Fabrikasi Reka Bentuk	5(1+4)
	MDS5701	Industrial Design Management	3(3+0)
	MDS5999	Prototype Development Project	6(0+6)
	MDS5702	Innovation Management and Entrepreneurship (Elective)	3(3+0)
MDS5703	Intellectual Property and Innovation Commercialization (Elective)	3(3+0)	
MASTER OF LANDSCAPE ARCHITECTURE	LAN4705	Advanced Geographical Information System in Landscape Architecture (E	3(0+3)
	LAR5000	Design Studio	3(3+0)
	LAR5001	Landscape Design Studio	4(0+4)
	LAR5002	Sustainable Landscape Planning Studio	4(0+4)
	LAR5003	Therapeutic Landscape (Elective)	3(3+0)
	LAR5100	Graphic Communication Studio	3(0+3)
	LAR5200	History of Landscape Architecture	2(2+0)
	LAR5202	Landscape Architecture Theory and Critiques	3(3+0)
	LAR5203	Design Appreciation (Elective)	3(3+0)
	LAR5204	Cultural and Heritage Landscape (Elective)	3(3+0)
	LAR5301	Tropical Plant Diversity	3(2+1)
	LAR5302	Planting Design	3(2+1)
	LAR5401	Tropical Landscape Ecology	3(3+0)
	LAR5502	Landscape Engineering Technology	3(2+1)
	LAR5503	Material Technology and Landscape Construction	3(2+1)
	LAR5600	Urban Design Studio	4(0+4)
	LAR5700	Landscape Management	3(2+1)
	LAR5800	Landscape Architect Professional Practices	3(3+0)
	LAR5902	Landscape Architecture Research Method	3(3+0)
	LAR5903	Special Topic (Elective)	3(0+3)
LAR5998 / LAR5999	Master Dissertation/ Master Project	6(6+0)	
MASTER OF ARCHITECTURE	ARC5001	Advanced Architecture Studio 1	6(0+6)
	ARC5710	Theory of Contemporary Design	3(3+0)
	ARC5501	Advanced Building Technology	3(3+0)
	ARC5630	Sustainable Development Issues	3(3+0)
	ARC5702	Housing and Town Development Planning (Elective)	3(3+0)
	ARC5002	Advanced Architecture Studio 2	6(0+6)
	ARC5720	Theory of Urban Design	3(3+0)
	ARC5910	Research Methodology	3(1+2)
	ARC5801	Practice and Architecture Management 1	3(3+0)
	ARC5701	Architectural Innovation and Exploration (Elective)	3(1+2)
	ARC5003	Architecture Thesis Studio 1	6(0+6)
	ARC5502	Energy and Architecture	3(3+0)
	ARC5911	Architecture Dissertation 1	3(0+3)
	ARC5802	Practice and Architecture Management 2	3(3+0)
	ARC5004	Architecture Thesis Studio 2	8(0+8)
	ARC5912	Architecture Dissertation 2	3(0+3)
ARC5803	Practice and Architecture Management 3	3(3+0)	
MASTER OF TROPICAL URBAN DESIGN	URB5000	Tropical Urban Design Studio	5(0+5)
	URB5100	Urban Design Theory and Practice	3(3+0)
	URB5501	Climate Change in Tropical Urban Environment	3(3+0)
	URB5101	Sustainable and Tropical Development Principles (Elective)	3(3+0)
	URB5001	Tropical Urban Revitalization Studio	5(0+5)
	URB5900	Urban Design Research Methods	3(3+0)
	URB5002	Collaborative Urban Design Studio	5(0+5)
	URB5998	Master Dissertation	6(0+6)
	URB5999	Master Project	6(0+6)
	URB5601	Social and Economic Dimensions of Urban Design (Elective)	3(3+0)
URB5902	Urban Synthesis (Elective)	3(0+3)	
MASTER OF SUSTAINABLE LANDSCAPE MANAGEMENT	SLM5000	Landscape and Sustainability	4(4+0)
	SLM5100	Landscape Project Management	3(2+1)
	LAR5401	Tropical Landscape Ecology	3(3+0)
	LAR5902	Landscape Architecture Research Method	3(3+0)
	SLM5001	Greenspace Management and Maintenance	3(2+1)
	SLM5400	Urban Green Environment	3(3+0)
	LAR5801	Landscape Legislation	3(3+0)
	SLM5300	Arboriculture (Elective)	3(2+1)
	SLM5301	Permaculture (Elective)	3(2+1)
	SLM5401	Disturbed Land Restoration (Elective)	3(3+0)
SLM5998 / SLM5999	Master Dissertation/Master Project	6(0+6)	

LIST OF COURSES (CODE 4000 & 5000)			
SCHOOL OF BUSINESS AND ECONOMICS			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF ECONOMICS	ECN5220	Mathematical Economics	3(3+0)
	ECN5012	Microeconomic Theory	3(3+0)
	ECN5014	Macroeconomic Theory	3(3+0)
	ECN5221	Econometric Methods	3(3+0)
	ECN5232	Research Methodology in Applied Economics	3(3+0)
	ECN5923	Current Issues in Economics	3(3+0)
	ECN5913	Seminar in Economics	1(0+1)
	ECN5988	Master Dissertation	6(0+6)
	ECN5441	Financial Economics	3(3+0)
	ECN5442	Monetary Economics	3(3+0)
	ECN5842	International Finance	3(3+0)
	ECN5222	Applied Time Series Analysis	3(3+0)
	ECN5641	Economic Growth and Development	3(3+0)
	ECN5642	Economic Planning and Policy	3(3+0)
	ECN5653	Labour Economics	3(3+0)
	ECN5654	Health Economics	3(3+0)
	ECN5655	General Equilibrium Technique	3(3+0)
	ECN5541	Industrial Structure and Competition	3(3+0)
	ECN5542	Competition and Public Policy	3(3+0)
	ECN5841	Theory and Policy of International Trade	3(3+0)
	ECN5342	Natural Resource Economics	3(3+0)
ECN5341	Environmental Economics	3(3+0)	
ECN5323	Fisheries Economics	3(3+0)	
MASTER OF ENTREPRENEURSHIP	MGM5350	Business Law and Governance	3(3+0)
	MGM5230	Entrepreneurial Marketing	3(3+0)
	MGM5130	Strategic Entrepreneurship	4(4+0)
	MGM5180	Business Venture	4(4+0)
	MGM5140	Innovation, Technology Management and Commercialization	3(3+0)
	ACT5112	Accounting and Financial Management	4 (4+0)
	MGM5181	Business Plan	4 (4+0)
	MGM5116	Business Research Application	3(3+0)
	MGM5182	Entrepreneurial Project(For full time students only)	6 (0+6)
	MGM 5120	Strategic Human Resource Management and Organizational Beh	3(3+0)
	MGM 5150	Cultural Intelligence	3(3+0)
MASTER OF FINANCE	FIN5100	Corporate Finance	3(3+0)
	FIN5200	Islamic Finance	3(3+0)
	FIN5000	Research Methods in Finance	3(3+0)
	FIN5213	Financial Market and Institutions	3(3+0)
	FIN5201	Financial Econometrics	3(3+0)
	FIN5400	Financial Derivatives	3(3+0)
	FIN5401	Investment and Portfolio Analysis	3(3+0)
	FIN5202	Financial Engineering	3(3+0)
	FIN5203	Financial Modeling	3(3+0)
	FIN5300	Islamic Economics System	3(3+0)
	FIN5301	Islamic Finance Products and Services	3(3+0)
	FIN5302	Shariah Compliant Financial Planning and Investment Managem	3(3+0)
	FIN5001	Accounting for Islamic Financial Transactions	3(3+0)
	FIN5303	Fiqh Muamalat	3(3+0)
	FIN5102	International Finance	3(3+0)
FIN5913	Seminar in Finance	1(0+1)	
MASTER BUSINESS ADMINISTRATION	ECN5010	Economic Analysis for Business Decisions	3(3+0)
	FIN5100	Corporate Finance	3(3+0)
	MGM5101	Behavioural Management in Organisation	3(3+0)
	MGM5102	Business Intelligence and Analytics	3(3+0)
	MGM5115	Case Development and Analysis	3(3+0)
	MGM5116	Business Research Application	3(3+0)
	MGM5121	Human Talent Management)	3(3+0)
	MGM5131	Business Decision Strategy)	3(3+0)
	ACT5111	Accounting for Decision Making	3(3+0)
	MGM5103	Managerial Communication	3(3+0)
	MGM5117	Organisation Development	3(3+0)
	MGM5118	Social and Ethical Responsibilities of Business	3(3+0)
	MGM5110	Cultural Intelligence	3(3+0)
	MGM5151	Management and Policy of International Business	3(3+0)
	MGM5201	Strategic Marketing Management	3(3+0)
	MGM5350	Business Law and Governance	3(3+0)
	MGM5998	Case Study Research Project	8(0+8)
MGM5999	Seminar in Case Study	1(0+1)	

LIST OF COURSES (CODE 4000 & 5000)

FACULTY OF ENGINEERING			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF EMERGENCY RESPONSE AND PLANNING	EAB5100	Research Methodology	3
	EAB5310	Natural Resources Conservation	3
	EAB5403	Disaster Recovery and Contingency Plan	3
	EAB5404	Emergency Response and Planning Network	3
	EAB5407	Incident and Crisis Management	3
	EAB5411	Emergency Risk Management	3
	EAB5412	Information Engineering	3
	EAB5977	Independent Study	1
	EAB5988	Dissertation	6
	EMMS201	Fire Safety Engineering and Regulations	3
	EAB5303	Building Services	3
	EAB5401	Hazard, Risk and Ethics	3
	EAB5405	Disaster Forecasting	3
	EAB5408	Medical Response for Disaster	3
	EAB5421	Forensic Science	3
	EAB5422	Public Safety and Security	3
	KOMS327	Crisis Communication	3
	EMMS100	Research Methodology	3
	EMMS602	Total Quality Management	3
	EMMS606	Manufacturing Operation Management	3
EMMS608	Industrial Organisation Management	3	
EMMS614	Maintenance Management Systems	3	
EMMS616	Industrial Safety Health and Environmental Management	3	
EMMS620	Value Engineering	3	
EMMS624	Supply Chain Management	3	
EMMS628	Financial Analysis For Engineers	3	
EMMS630	Project And Risk Management In Engineering	3	
EMMS702	Advance Manufacturing Technology And Processes	3	
EMMS706	Design Of Manufacturing Systems	3	
MASTER OF ENVIRONMENTAL ENGINEERING	ECH5100	Research Methodology	3
	ECH511	Environmental Management Principles	3
	ECH5101	Environmental Health Technology	3
	ECH5102	Principles of Environmental Engineering	3
	ECH5103	Wastewater Treatment Design	3
	ECH5104	Solid Waste Management & Design	3
	ECH5106	Toxic and Hazardous Waste Technology	3
	ECH5404	Environmental Engineering Laboratory	3
	ECH5501	Atmospheric Risk Management	3
	ECH5105	Noise Pollution Engineering	3
	ECH5107	Green Engineering	3
	ECH5109	Advanced Air Pollution Engineering	3
	ECH5502	Hazard Analysis and Risk Assessment	3
	ECH5503	Design for Safe Handling of Industrial Chemicals	3
	ECH5510	Disaster Management and Emergency Plan	3
	ECH5804	Corrosion Engineering	3
	ECH5955	Special Topic	3
	ECH5100	Research Methodology	3
	ECH5113	Environmental Management Principles	3
	ECH5101	Environmental Health Technology	3
ECH5102	Principles of Environmental Engineering	3	
ECH5103	Wastewater Treatment Design	3	
ECH5104	Solid Waste Management & Design	3	
ECH5404	Environmental Engineering Laboratory	3	
ECH5501	Atmospheric Risk Management	3	
ECH5105	Noise Pollution Engineering	3	
ECH5107	Green Engineering	3	
ECH5109	Advanced Air Pollution Engineering	3	
ECH5502	Hazard Analysis and Risk Assessment	3	
ECH5503	Design for Safe Handling of Industrial Chemicals	3	
ECH5510	Disaster Management and Emergency Plan	3	
ECH5511	Safety, Health and Environmental Protection	3	
ECH5804	Corrosion Engineering	3	
ECH5955	Special Topic	3	
MASTER OF HIGHWAY AND TRANSPORTATION ENGINEERING	ECV5603	Advanced Transportation Engineering	3
	ECV5604	Advanced Highway Capacity Analysis	3
	ECV5606	Pavement Analysis and Design	3
	ECV5608*	Public Transportation Analysis	3
MASTER OF INNOVATION AND ENGINEERING DESIGN	EAS5106	Inovasi dan Pengkomersialan Produk	3
	EAS5107	Keusahawanan dalam Inovasi	3
	EAS5104	Kejuruteraan Sistem	3
	EAS5104	Teknik Reka bentuk Ter maju	3
	EAS5100	Kaedah Penyelidikan	3
	EAS5201	Komputasi Dinamik Bendalir	3
	EMMS100	Research Methodology	3
MASTER OF ENGINEERING MANAGEMENT	EMMS602	Total Quality Management	3
	EMMS606	Manufacturing Operation Management	3
	EMMS608	Industrial Organisation Management	3
	EMMS614	Maintenance Management Systems	3
	EMMS616	Industrial Safety Health and Environmental Management	3
	EMMS620	Value Engineering	3
	EMMS624	Supply Chain Management	3
	EMMS628	Financial Analysis For Engineers	3
	EMMS630	Project And Risk Management In Engineering	3
	EMMS702	Advance Manufacturing Technology And Processes	3
MASTER OF PROCESS SAFETY AND LOSS PREVENTION	EMMS706	Design Of Manufacturing Systems	3
	ECH5502	Hazard Analysis and Risk Assessment	3
	ECH5100	Research Methodology	3
	ECH5514	Human Behavior and Human	3
	ECH5503	Design for Safe Handling Industrial Chemicals	3
MASTER OF REMOTE SENSING AND GIS	ECH5518	Fire and Explosion Engineering	3
	EAB5421	Forensic Science	3
	ECV502	GIS Management and Implementation	3
	ECV504	Image Processing and Analysis	3
	ECV506*	Programming for Spatial Data Analysis	3
MASTER OF STRUCTURAL ENGINEERING AND CONSTRUCTION	ECV509	Global Navigation Satellite System	3
	ECV510	Microwave Remote Sensing	3
	ECV5203*	Finite Element Method	3
	ECV5221	Reinforced Concrete Structures	3
	ECV5223*	Steel Design and Construction	3
	ECV5224*	Analysis and Design of Bridges	3
	ECV5225*	Earthquake Resistance Structures	3
	ECV5703	Advanced Concrete Technology	3
MASTER OF WATER ENGINEERING	ECV5703	Construction Business Management	3
	ECV5414	Open Channel Hydraulics	3
	ECV5415	Design of Water and Wastewater Treatment	3
	ECV5416	Hydraulics Structures	3
	ECV5421*	Fluvial Flood Risk Assessment	3
	ECV5514*	GIS for Engineers	3
	ECV5603	Advanced Transportation Engineering	3
	ECV5604	Advanced Highway Capacity Analysis	3
	ECV5606	Pavement Analysis and Design	3
	ECV5608*	Public Transportation Analysis	3
MASTER OF COMMUNICATION ENGINEERING	ECV5100	Research Methodology	3
	ECC5001	Advanced Cellular and Satellite Communication	3
	ECC5120	ICT Project Management	3
	ECC5121	Sustainability in	3
	ECC5123	Research Methods in Computer and Communication	3
	ECC5611	Advanced Optical Fiber	3
	ECC5409	Network Management	3
MASTER OF ELECTRICAL POWER ENGINEERING	ECC5723	Network Security	3
	EEES100	Research Methodology in Electrical and Electronic Engineering	3
	EEES301	Power Electronic Converters	3
	EEES305	Electrical Machines Design	3
	EEES306	Management in Power Industry	3
	EEES308	Artificial Intelligence in Power System	3
	EEES309	Advanced Power System Analysis	3
	EEES310	High Voltage Engineering and Insulation Coordination	3
	EEES314	Occupational Safety and Health in Power Industry	3
	EEES315	Smart Power Grid Renewable Energy System	3
MASTER OF AEROSPACE SYSTEM DESIGN ENGINEERING	EEES317	Smart Power Grid System	3
	EAS5408	Struktur Aeroangkasa	3
	EAS5717	Reka Bentuk dan Integrasi Sistem Pesawat	3
	EAS5409	Komposisi Aeroangkasa	3
	EAS5901	Makmal Reka Bentuk Aeroangkasa	3
	EAS5602	Avionik	3
	EAS5977	Kajian Kendiri	3
EAS5108	Penurusan Kualiti dan Projek Aeroangkasa	3	
MASTER OF MICROELECTRONIC SYSTEM ENGINEERING	EEES200	Microchip Project Management	3
	EEES205	Electronic Packaging	3
	EEES207	Electronic Testing And Failure Analysis	3
	EEES211	System-On-A-Chip (SoC) Physical Design	3

LIST OF COURSES (CODE 4000 & 5000)**FACULTY OF FOOD SCIENCE AND TECHNOLOGY**

PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF FOOD TECHNOLOGY	FST5002	Research Methodology and Statistics in Food Science and Techn	3(3+0)
	FST5003	Philosophy of Halal Science	3(3+0)
	FST5101	Food Macrocomponents	3(3+0)
	FST5206	Microbiological Food Safety	3(3+0)
	FST5304	Advanced Food Packaging	3(3+0)
	FST5401	Food Engineering and Processing	3(3+0)
	FST5403	Food Process and Plant Design	3(3+0)
	FST5404	Laboratory for Food Processing	2(0+2)
	FST5601	Food Quality Assurance	3(3+0)
	FST5802	Food Innovations	3(3+0)
	FST5302	Current Technology in Food Processing	3(3+0)
	FST5303	Shelf Life of Foods	3(3+0)
	FST5305	Technology of Food Lipids	3(3+0)
	FST5307	Chemistry and Technology of Starch	3(3+0)
	FST5402	Physical Properties of Foods	3(3+0)
	FST5502	Food Bioprocessing	3(3+0)
FST5602	Food Safety Management	3(3+0)	
MASTER OF FOOD SAFETY AND QUALITY ASSURANCE	FST5002	Research Methodology and Statistics in Food Science and Techn	3(3+0)
	FST5101	Food Macrocomponents	3(3+0)
	FST5104	Food Micro Components	3(3+0)
	FST5206	Microbiological Food Safety	3(3+0)
	FST5601	Food Quality Assurance	3(3+0)
	FST5602	Food Safety Management	3(3+0)
	FST5603	Food Diagnostic	3(2+1)
	FST5604	Food Safety Toxicology	3(3+0)
	FST5606	Food Safety Standard and Regulation	3(3+0)
	FST5607	Quality of Food Products	3(3+0)
	FST5003	Philosophy of Halal Science	3(3+0)
	FST5302	Current Technology in Food Processing	3(3+0)
	FST5303	Shelf Life of Foods	3(3+0)
	FST5402	Physical Properties of Foods	3(3+0)
FST5605	Issues in Food Safety and Quality Assurance	3(3+0)	

LIST OF COURSES (CODE 4000 & 5000)**FACULTY OF MODERN LANGUAGE AND COMMUNICATION**

PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF APPLIED LINGUISTICS	BBI5201	Research Methods in English Studies (C)	3(3+0)
	BBI5201	Research Methods in English Studies (C)	3(3+0)
	BBI5248	Structures of English (C)	3(3+0)
	BBI5249	Language in Society (C)	3(3+0)
	BBI5243	Analyzing Discourses (C)	3(3+0)
	BBI5250	Second Language Learning (C)	3(3+0)
	BBI5244	Digital Literacies (C)	3(3+0)
	BBI5407	Writing the Research Paper (C)	3(3+0)
	BBI5208	Psychology of Language (EL)	3(3+0)
	BBI5246	Interactions in Reading and Writing (EL)	3(3+0)
	BBI5303	Perspectives on Language Use in Media Communication(EL)	3(3+0)
MASTER OF CORPORATE COMMUNICATION	KOM5111	Communication Theory	3+0
	KOM5113	Communication Research Methods	3+0
	KOM5115	Statistic for CommunicationResearch	3+0
	KOM5117	Data Analysis and Interpretation	3+0
	KOM5213	Psychology ofCommunication	3+0
	KOM5217	Strategies of Communication	3+0
	KOM5319	Communication andDecision Making	3+0
	KOM5315	OrganizationalCommunication	3+0
	KOM5317	Theory and Practice ofCorporate Communication	3+0
	KOM5321	Advanced Public Relations	3+0
	KOM5323	Advanced Advertising	3+0
	KOM5325	Integrated Marketing Communication	3+0
MASTER OF MALAY LANGUAGE	BBM5101	Bahasa dan Alam Pemikiran Melayu (EL)	3(3+0)
	BBM5204	Psikolinguistik Lanjutan (YW)	3(3+0)
	BBM5206	Aliran Linguistik Melayu (YW)	3(3+0)
	BBM5207	Metodologi dalam Penyelidikan Bahasa Melayu(YW)	3(3+0)
	BBM5407	Kajian Wacana (YW)	3(3+0)
MASTER OF WORLD LITERATURE	BBL5201	Literary Theory (YW)	3(3+0)
	BBL5207	Themes and Issues in Malaysian Literature in English (YW)	3(3+0)
	BBL5211	Research Method in English Literary Studies (YW)	3(3+0)
	BBL5212	American Modernist Literature (ELF)	3(3+0)
	BBL5303	South-East Asian Literature in English (YW)	3(3+0)
	BBL5305	African Caribbean Literature (YW)	3(3+0)
	BBL5307	Contemporary British Literature (ELF)	3(3+0)
	BBL5308	Anglo-Irish Literature (ELF)	3(3+0)

LIST OF COURSES (CODE 4000 & 5000)

FACULTY OF SCIENCE			
PROGRAMME	CODE	COURSE NAME	CREDIT
	MTH5402	Survey Sampling	3(3+0)
	MTH5403	Design and Analysis of Experiments	3(3+0)
	MTH5411	Applied Statistical Modelling	3(3+0)
	MTH5401	Mathematical Statistics	3(3+0)
	MTH5404	Regression Analysis	3(3+0)
	MTH5989	Dissertation	6(0+6)
	MTH5903	Seminar I	1(0+1)
	MTH5405	Interactive Data Analysis	3(3+0)
	MTH5406	Statistical Quality Control Techniques	3(3+0)
	MTH5407	Exploratory Data Analysis	3(3+0)
	MTH5408	Categorical Data Analysis	3(3+0)
	MTH5409	Econometrics	3(3+0)
	MTH5410	Survival Analysis	3(3+0)
	MTH5412	Robust Statistics	3(3+0)
	MTH5414	Applied Stochastic Processes	3(3+0)
	MTH5416	Time Series Analysis	3(3+0)
	MTH5417	Forecasting Techniques in Finance	3(3+0)
	MTH5418	Spatial Statistical Techniques	3(3+0)
	MTH5419	Bayesian Statistics	3(3+0)
	MTH5420	Extreme Value Modeling	3(3+0)
coordinator email: DR. FADZILAH BT MD ALI	MTH5421	Simulation and Computational Statistics	3(3+0)
	MTH5102	Ordinary Differential Equations	3(3+0)
	MTH5105	Partial Differential Equations with Applications	3(3+0)
	MTH5500	Programming and Software in Mathematics	4(3+1)
	MTH5901	Research Methods in Mathematics	3(2+1)
	MTH5106	Integral Equations with Applications	3(3+0)
	MTH5502	Numerical Methods for Differential Equations	3(3+0)
	MTH5989A	Master Dissertation (Part A)	3(0+3)
	MTH5989B	Master Dissertation (Part B)	3(0+3)
	MTH5107	Operations Analytics	3(0+3)
	MTH5204	Mathematical Cryptography	3(0+3)
	MTH5206	Algorithmic Number Theory	3(0+3)
	MTH5207	Cryptanalysis	3(0+3)
	MTH5601	Optimum Theory and Application	3(0+3)
	MTH5602	Selected Topic in Optimal Control	3(0+3)
	MTH5604	Method of Optimization	3(0+3)
	MTH5605	Mathematical Modelling	3(0+3)
	MTH5606	Dynamical System and Chaos	3(0+3)
	MTH5607	Fluid Dynamics	3(0+3)
	MTH5608	Computational Fluid Dynamics	3(0+3)
NCCS coordinator email: DR. HALIZA BINTI R	MTH5609	Heat and Mass Transfer	3(0+3)
	CHM5001	Statistics and Chemometrics for Analytical Chemistry	3(3+0)
	CHM5002	Laboratory Safety	3(3+0)
	CHM5003	Analysis in Chemistry I	3(0+3)
	CHM5406	Atomic Spectroscopy	3(3+0)
	CHM5901	Research Methodology in Chemistry	3(3+0)
	CHM5988A	Master Disertation	3(0+3)
	CHM5004	Analysis in Chemistry II	3(0+3)
	CHM5202	Molecular Spectroscopy	3(3+0)
	CHM5407	Separation Techniques	3(3+0)
	CHM5988B	Master Disertation	3(0+3)
	CHM5102	Electroanalytical Chemistry	3(0+3)
	CHM5301	Solid State Characterisation	3(0+3)
	CHM5403	Sensor Technology	3(0+3)
	FST5305	Technology of Food Lipids	3(0+3)
	FST5307	Chemistry and Technology of Starch	3(0+3)
	FST5607	Quality of Food Products	3(0+3)
	ESC5017	Environmental Pollution and Treatment Technology	3(0+3)
coordinator email: PROF. DR. NOR AZAH BIN	ESC515	Environmental Impact Assessment Technique	3(0+3)
	BGY5101	BIOSYSTEMATICS OF TROPICAL ORGANISMS	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)
	BGY5901	RESEARCH METHODOLOGY	3(3+0)
	BGY5902	SPECIAL TECHNIQUES IN TROPICAL BIOLOGY SCIENCES	3(3+0)
	BGY5990	MASTER DISERTATION	6(0+6)
	BGY5102	COMMERCIAL TROPICAL ORGANISM BIOCHEMISTRY	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)
	BGY4304	DEVELOPMENTAL NEUROTOXICOLOGY	3(2+1)
	BGY5310	ADVANCED ICHTHYOLOGY	3(3+0)
	BGY5303	ENDOCRINE AND REPRODUCTIVE OF TROPICAL ANIMALS	3(3+0)
	BGY4406	BIOLOGY AND ECOLOGY OF SEAGRASSES	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)
	BGY5509	CONSERVATION GENETICS	3(3+0)
	BGY5510	ADVANCED GENETIC POLYMORPHISM	3(3+0)
ordinator email: DR. NURUL IZZA BT AB GHA	BGY5511	GENETIC TECHNOLOGIES FOR TROPICAL BIOLOGY RESEARCH	3(2+1)
	PHY5202	Physics of Advanced Materials	3(3+0)
	PHY5205	Nanoscience and Nanotechnology	3(3+0)
	PHY5402	Electrical and Optical Properties of Materials	3(3+0)
	PHY5901	Research Methodology	3(3+0)
	PHY5921	Techniques of Structural, Composition and Mechanical Characterization	3(2+1)
	PHY5989A	Dissertation	3(0+3)
	PHY5405	Magnetism in Materials	3(3+0)
	PHY5922	Technique of Electromagnetic and Thermal Characterization of Mater	3(2+1)
	PHY5903	Seminar	1(0+1)
	PHY5989B	Dissertation	3(0+3)
	PHY5203	Physics of Thin Film	3(0+3)
	PHY5204	Advanced Materials for Agriculture	3(0+3)
	PHY5206	Physics of Semiconductor	3(0+3)
	PHY5403	Advances in Applied Electromagnetism	3(0+3)
	PHY5404	Optoelectronics	3(0+3)
ordinator email: PROF. MADYA DR. CHEN SO	PHY5501	Applied Radiation Methodology	3(0+3)
	PHY5503	Renewable Energy Physics	3(0+3)

LIST OF COURSES (CODE 4000 & 5000)

FACULTY OF VETERINARY MEDICINE			
PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER OF SCIENCE MASTER OF VETERINARY SCIENCE	VPD5901	Seminar	1(0+1)
	VPD5903	Seminar I	1(0+1)
	VPD5904	Seminar II	1(0+1)
	VPD5908	Project	1(0+1)
	VPK5642	Small Animal Medicine Clinical Practice II	12(0+12)
	VPK5644	Special Topics in Small Animal Medicine II	3(3+0)
	VPK5654	Special Topics in Equine Medicine II	3(3+0)
	VPK5664	Special Topics in Ruminant Medicine II	3(3+0)
	VPK5674	Special Topics in Swine Medicine II	3(3+0)
	VPK5682	Avian Medicine Clinical Practice II	12(0+12)
	VPK5684	Special Topics in Avian Medicine II	3(3+0)
	VPK5695	Special Topics in Wild Animal Health	3(3+0)
	VPK5697	Special Topics in Aquatics Animal Medicine II	3(3+0)
	VPK5702	Special Practice II: Surgery, Anaesthesiology and Radiology	3(1+2)
	VPK5712	Small Animal Surgery Clinical Practice II	12(0+12)
	VPK5732	Clinical Practice in Veterinary Anaesthesia II	12(0+12)
	VPK5733	Veterinary Anaesthesiology	3(3+0)
	VPK5734	Special Topics in Anaesthesiology	3(3+0)
	VPK5753	Special Topics in Diagnostic Imaging II	3(3+0)
	VPK5755	Clinical Practice in Veterinary Diagnostic Imaging II	12(0+12)
	VPK5813	Special Topics in Theriogenology	3(3+0)
	VPM5001	Molecular Physiology	3(3+0)
	VPM5021	Advanced Research Methods	3(3+0)
	VPM5301	Applied Animal Molecular Biology	3(2+1)
	VPM5304	Laboratory Animal Medicine Practice II	12(0+12)
	VPM5310	Special Topics in Veterinary Microbiology	3(3+0)
	VPM5322	Veterinary Bacteriology Practice II	12(0+12)
	VPM5340	Methods in Veterinary Virology	3(0+3)
	VPM5342	Veterinary Virology Practice II	12(0+12)
	VPM5350	Special Topics in Veterinary Parasitology	3(3+0)
	VPM5352	Veterinary Parasitology Practice II	12(0+12)
	VPM5360	Veterinary Immunology	3(3+0)
	VPM5412	Veterinary Pathology Practice II	12(0+12)
	VPM5430	Advanced Diagnostic Veterinary Clinical Pathology	3(2+1)
	VPM5432	Veterinary Clinical Pathology Practice II	12(0+12)

LIST OF COURSES (CODE 4000 & 5000)**FACULTY OF BIOTECHNOLOGY AND BIOMOLECULAR SCIENCES**

PROGRAMME	CODE	COURSE NAME	CREDIT
MASTER AND PHD	BCM5703	ENZYME TECHNOLOGY	4(4+0)
	BCM5704	TECHNIQUES IN PURIFICATION AND CHARACTERIZATION OF PRO	4(4+0)
	BCM5707	CELL CULTURE TECHNOLOGY	4(4+0)
	BCM5708	TECHNIQUES IN PLANT MOLECULAR BIOLOGY	4(4+0)
	BCM5801	CURRENT TOPICS IN BIOCHEMISTRY	4(4+0)
	MCB5706	BIOMOLECULAR ENGINEERING	4(4+0)
	BTK5002	INDUSTRIAL BIOTECHNOLOGY	4(4+0)
	BTK5004	COMMERCIALISATION IN BIOTECHNOLOGY	2(2+0)
	BTK5301	BIOREACTOR SYSTEMS	3(3+0)
	BTK5402	DEVELOPMENT IN ENVIRONMENTAL BIOTECHNOLOGY	3(3+0)
MASTER OF SCIENCE IN BIOTECHNOLOGY WITH BIOENTREPRENEURSHIP	BTC5403	HAZARDOUS WASTE MANAGEMENT	3(3+0)
	BTC5501	COMMERCIALIZATION AND TECHNOLOGY TRANSFER	3(3+0)
	BTC5502	BIOTECHNOLOGY VENTURE CREATION	3(3+0)
	BTC5503	BIOTECHNOLOGY VENTURE MANAGEMENT	3(3+0)
	BTC5504	DYNAMICS IN BIOECONOMY	3(3+0)