

LIST COURSES

All courses in the table below are conducted in English.

Code	Title of Courses	Unit	C'work	Exam
CPT111/ CPM111	Principles of Programming (Prinsip Pengaturcaraan)	3	50	50
CPT112@	Discrete Structures (Struktur Diskret)	4	40	60
CPT113/ CPM213	Programming Methodology & Data Structures (Metodologi Pengaturcaraan & Struktur Data)	3	50	50
CPT114@	Logic & Applications (Logik & Aplikasi)	4	40	60
CPT115	Mathematical Methods for Computer Science (Kaedah Matematik untuk Sains Komputer)	4	50	50
CST131	Computer Organisation (Organisasi Komputer)	4	50	50
CAT200	Integrated Software Development Workshop (Bengkel Pembangunan Perisian Bersepadu)	3	100	-
CMT221/ CMM222@	Database Organisations & Design (Organisasi & Reka Bentuk Pangkalan Data)	4	50	50
CMT222/ CMM321	Systems Analysis & Design (Analisis & Reka Bentuk Sistem)	4	50	50
CMT223/ CMM322	Information Systems Theory & Management (Teori & Pengurusan Sistem Maklumat)	3	50	50
CMT224/ CMM221	Multimedia Systems (Sistem Multimedia)	3	50	50
CPT211/ CPM313	Programming Language Concepts & Paradigms (Konsep & Paradigma Bahasa Pengaturcaraan)	3	50	50
CPT212	Design & Analysis of Algorithms (Reka Bentuk & Analisis Algoritma)	4	50	50
CPT243	Software Requirements Analysis & Modelling (Analisis Keperluan & Pemodelan Perisian)	3	50	50
CPT244	Artificial Intelligence (Kecerdasan Buatan)	3	50	50
CST231/ CSM331	Data Communications & Networks (Komunikasi Data & Rangkaian)	3	50	50
CST232	Operating Systems (Sistem Pengendalian)	3	50	50
CST233	Information Security & Assurance (Keselamatan & Jaminan Maklumat)	3	50	50

CST234	Network Programming (Pengaturcaraan Rangkaian)	3	70	30
CAT300	Group Innovation Project (Projek Inovasi Berkumpulan)	2	100	-
CAT301	Research Methods & Special Topic Study (Kaedah Penyelidikan & Kajian Tajuk Khas)	2	100	-
CAT302/ CAT303	Industrial Training (Latihan Industri) Undergraduate Research Training (Latihan Penyelidikan Prasiswazah)	12	100	-
CMT321	Management & Engineering of Databases (Pengurusan & Kejuruteraan Pangkalan Data)	3	50	50
CMT322/ CMM323	Web Engineering & Technologies (Kejuruteraan & Teknologi Web)	3	50	50
CMT324	Computer Graphics & Visual Computing (Grafik Komputer & Perkomputeran Visual)	3	50	50
CPT341	Software Design & Architecture (Reka Bentuk & Seni Bina Perisian)	3	50	50
CPT342	Knowledge Management & Engineering (Pengurusan & Kejuruteraan Pengetahuan)	3	50	50
CPT343/* CPM314	Software Project Management, Process & Evolution (Pengurusan Projek, Proses & Evolusi Perisian)	3	50	50
CPT344	Computer Vision & Image Processing (Penglihatan Komputer & Pemprosesan Imej)	3	50	50
CPT346	Natural Language Processing (Pemprosesan Bahasa Tabii)	3	50	50
CST331	Principles of Parallel & Distributed Programming (Prinsip Pengaturcaraan Selari & Teragih)	3	50	50
CST332	Internet Protocols, Architecture & Routing (Protokol, Seni Bina & Penghalaan Internet)	3	70	30
CST333*	Distributed & Grid Computing (Perkomputeran Teragih & Grid)	3	50	50
CST334	Network Monitoring & Security (Pengawasan & Keselamatan Rangkaian)	3	50	50
CAT400/ CAT401	Undergraduate Major Project (Projek Major Prasiswazah) Undergraduate Research Project (Projek Penyelidikan Prasiswazah)	8	100	-
CAT402	Professional and Technopreneurship Development (Pembangunan Profesional & Tekno-keusahawanan)	2	100	-

CMT421/ CMM324	E-Business Strategy, Architecture & Design (<i>Strategi, Seni Bina & Reka Bentuk E-Perniagaan</i>)	3	50	50
CMT422	Multimedia Information Systems & Management (<i>Sistem & Pengurusan Maklumat Multimedia</i>)	3	50	50
CMT423*	Decision Support Systems & Business Intelligence (<i>Sistem Sokongan Keputusan & Kecerdasan Perniagaan</i>)	3	50	50
CMT424*	Animation & Virtual Reality (<i>Animasi & Realiti Maya</i>)	3	50	50
CPT441	Software Quality Assurance & Testing (<i>Jaminan Mutu & Pengujian Perisian</i>)	3	50	50
CPT443*	Automata Theory & Formal Languages (<i>Teori Automata & Bahasa Formal</i>)	3	40	60
CPT444*	Informatik Kesihatan Cerdas (<i>Intelligent Health Informatics</i>)	3	50	50
CST431	Systems Security & Protection (<i>Keselamatan & Perlindungan Sistem</i>)	3	50	50
CST432	Microprocessors & Embedded Systems (<i>Mikropemproses & Sistem Terbenam</i>)	3	50	50
CST433*	Advanced Computer Architecture (<i>Seni Bina Komputer Termaju</i>)	3	50	50
CST434*	Wireless & Ad Hoc Networks (<i>Rangkaian Tanpa Wayar & Ad Hoc</i>)	3	50	50

*These courses may not be offered in certain academic sessions.