

TENTATIVE list of subjects to be offered in 2020

Unit Code	Unit Description	Jan2020	May2020	Oct2020
UECM1024	Calculus I	X	X	
UECM1034	Calculus II	X	X	
UECM1084	Basic Mathematics	X	X	
UECM1204	Probbability and Statistics I	X	X	
UECM1223/UECM1224	Probbability and Statistics II	X	X	
UECM1304	Discrete Mathematics with Applications		X	
UECM1313/UECM1314	Fundamentals of Linear Algebra	X		
UECM1403/UECM1404	Theory of Interest	X	X	
UECM1534	Programming Techniques for Data Processing	X	X	
UECM1633	Probability and Statistics for Computing	X		
UECM1653/ UECM1683	Mathematics for Engineering I / Mathematics for Physics I	X	X	
UECM1703	Introduction to Scientific Computing			X
UECM1713 UECM1743	Mathematics for Engineering II / Mathematics Techniques for Physics II	X	X	
UECM1723/ UECM1733	Mathematical Techniques for Engineering Mathematical Techniques for Physics I			X
UECM2023	Ordinary Differential Equations		X	
UECM2033	Elementary Real Analysis			
UECM2063	CALCULUS III		X	
UECM2093	Operations Research I		X	
UECM2233	Statistical Decision	X		
UECM2263	Applied Statistical Models	X		
UECM2273	Mathematical Statistics	X		
UECM2283	Design and Analysis of Experiment	X		
UECM2293	Statistical Quality Control	X		
UECM2313	Graph Theory		X	
UECM2353	Linear Algebra		X	
UECM2383	Elementary Number Theory	X		
UECM2423	General Insurance			
UECM2433 UECM2434	Introduction to Risk Management and Insurance	X	X	
UECM2443 UECM2444	Financial Economics I	X	X	
UECM2453	Financial Economics II	X	X	
UECM2463 UECM2464	Introduction to Actuarial Mathematics	X	X	
UECM2483	Statistical Simulation for Insurance and Finance		X	
UECM2493	Life Contingencies	X	X	
UECM3093	Operations Research II			
UECM2623 UECM2693	Numerical Methods Statistics / Mathematics for Physics II	X	X	
UECM2713	Fundamentals of Financial Mathematics		X	
UECM3003	Partial Differential Equations			
UECM3013	Complex Analysis			
UECM3033 UECM3034	Numerical Methods		X	
UECM3213	Stochastic Processes		X	
UECM3253	Applied Nonparametric Statistics		X	
UECM3363	Modern Algebra			
UECM3373	Introduction to Coding Theory	X		
UECM3383/ UECM2363	Cryptology		X	
UECM3393	Introduction to Combinatorics	X		
UECM3403 UECM3423	Further Topics in Actuarial Mathematics Stochastic Processes	X	X	
UECM3433	Introduction to Ratemaking and Reserving		X	
UECM3463	Loss Models		X	
UECM3473	Credibility Theory	X		
UECM3493/ UECM3773/ UECM3243	Introduction to Time Series and Forecasting Financial Time Series Time Series Analysis		X	

UECM3533	Case Study on Insurance Practice	X	X	
UECM3534				
UECM3543	Case Study on Investment and Trading		X	
UECM3544				
UECM3553	Financial Modelling	X		
UECM3554				
UECM3573	Actuarial Expository Project	X		
UECM3574				
UECM3583	Actuarial Modelling	X	X	
UECM3584				
UECM3583/UECM3783	Project I	X	X	
UECM3584/UECM3784				
UECM3713	Risk Management	X		
UECM3763/ UECM3764	Computational Finance	X		
UECM3823	Derivative Security	X		
UECM3993	Predictive Modelling	X		
UECM3593	Project II	X	X	
UECM3594				
UKAF1033	Business Accounting I	X	X	
UKAF1023	Financial Accounting I			
UKAF1073	Business Accounting II	X	X	
UKAF1083	Financial Accounting II			
UKEA1023	Microeconomics I	X	X	X
UKEA1033	Macroeconomics I	X	X	
UKFB3053	Financial Markets and Regulations		X	
UKFF2013	Business Finance	X	X	X
UKFF3083	Financial Statement Analysis	X		
UKFF3243	International Finance	X		
UKFF3283	Portfolio Management	X	X	X
UKFF3363	Islamic Finance		X	
UKML1053	Business Law			X
UALE1083	Basic Professional Writing	X		
UALL1053	Critical Reading and Thinking	X		
UALL1063	Oral Communication and Interpersonal Skills		X	X
UALL2023	Academic Writing	X		
UALL3033	Public Speaking and Oral Presentation		X	X
UECS1004	PROGRAMMING AND PROBLEM SOLVING	X	X	
UECS1044	OBJECT-ORIENTED APPLICATION DEVELOPMENT	X	X	
UECS1203	DATABASE SYSTEM FUNDAMENTALS	X		
UECS2053	Artificial Intelligence			X
UECS2083	PROBLEM SOLVING WITH DATA STRUCTURES AND ALGORITHMS	X	X	
UECS2094	WEB APPLICATION DEVELOPMENT	X		
UECS2103	Operating Systems		X	
UECS3043	Parallel Processing			
UECS3213	DATA MINING	X		
UECS3273	PROGRAMMING WITH GAME ENGINES		X	
MPU33173	Sociology in Malaysian Context	X	X	X
MPU32033	English for Professionals	X	X	
MPU3113 / MPU3173	Hubungan Etnik (for local students) / Malaysian Studies (for international students) - MPU1	X	X	X
MPU3123 / MPU3143	Tamadun Islam dan Tamadun Asia (for local students) / Bahasa Melayu Komunikasi 2 (for international students) - MPU1	X	X	X
UKMM1011	Sun Zi's Art of War and Business Strategies	X	X	X
LANGXX0X3	NATIONAL LANGUAGE / OTHER LANGUAGE	X	X	X
UECS2233	ELECTRONIC COMMERCE	X		
UEMH4283	AUTOMATION IN THE 4TH INDUSTRIAL REVOLUTION		X	

UEMH4723	APPLICATIONS OF ARTIFICIAL INTELLIGENCE			X
UJMG1003	CREATIVE THINKING AND IDEA GENERATION			
UJMG1153	COMMUNICATION IN INTERPERSONAL RELATIONSHIPS			
UKMB1013	PRINCIPLES OF INTERNATIONAL BUSINESS	X	X	X
UKTC1013	CROSS CULTURAL MANAGEMENT		X	X
UKTR3013	PROPERTY MARKET ANALYSIS	X		