

BSc(Hons) in Statistics and Computing (63019)

Level/Stage I

Stage	Existing curriculum								Proposed Curriculum (2005/06)							
	Title (Code)	Credits	Student Contact Hours				Assessment		Title (Code)	Credits	Student Contact Hours				Assessment	
			LT	TU	Lab	Total	CA	FE			LT	TU	Lab	Total	CA	FE
1	Business Accounting (AF 2104)	3	28	14	--	42	40	60	Business Accounting (AF 2104)	3	28	14	--	42	40	60
1	Calculus (AMA 150)	3	28	14	--	42	40	60	Calculus (AMA 150)	3	28	14	--	42	40	60
1	Linear Algebra (AMA 151)	3	28	14	--	42	40	60	Linear Algebra (AMA 151)	3	28	14	--	42	40	60
1	Basic Statistics (AMA 261)	3	28	14	--	42	40	60	Inferential Statistics (AMA 237)	3	28	14	--	42	40	60
1	Statistical Data Analysis (AMA 262)	3	14	28	--	42	100	--	Statistical Data Analysis (AMA 262)	3	21	21		42	100	--
1	Principles of Programming (COMP 201)	3	28	14		42	40	60	Principles of Programming (COMP 201)	3	14	42		56	60	40
1	Discrete Structures (COMP 202)	3	28	14		42	40	60	Discrete Structures (COMP 202)	3	28	14	--	42	60	40
	Sub-total	21							Sub-total	21						

Level/Stage II

Stage	Existing curriculum								Proposed Curriculum (2005/06)							
	Title (Code)	Credits	Student Contact Hours				Assessment		Title (Code)	Credits	Student Contact Hours				Assessment	
			LT	TU	Lab	Total	CA	FE			LT	TU	Lab	Total	CA	FE
2	Finance (AF 3311)	3	28	14	--	42	40	60	Finance (AF 3311)	3	28	14	--	42	40	60
2	Applied Statistical Methods (AMA 263)	3	28	14	--	42	40	60	Applied Statistical Methods (AMA 263)	3	28	14	--	42	40	60
2	Survey Sampling (AMA 264)	3	28	14	--	42	40	60	Survey Sampling (AMA 264)	3	28	14	--	42	40	60
2	Operations Research Methods (AMA 382)	3	28	14	--	42	40	60	Operations Research Methods (AMA 382)	3	28	14	--	42	40	60
2	Data Structures and Algorithms (COMP 305)	3	28	14		42	40	60	Data Structures and Algorithms (COMP 305)	3	28	21		49	60	40
2	Foundations of Database Systems (COMP 311)	3	28	14		42	40	60	Foundations of Database Systems (COMP 311)	3	28	--	14	42	55	45
2	Computer Communications Networks (COMP 312)	3	28	14		42	45	55	Computer Communications Networks (COMP 312)	3	28	14		42	55	45
	Sub-total	21							Sub-total	21						

Level/Stage III

Stage	Existing curriculum								Proposed Curriculum (2005/06)							
	Title (Code)	Credits	Student Contact Hours				Assessment		Title (Code)	Credits	Student Contact Hours				Assessment	
			LT	TU	Lab	Total	CA	FE			LT	TU	Lab	Total	CA	FE
3	Decision Analysis (AMA 484)	3	28	14	--	42	40	60	Decision Analysis (AMA 484)	3	28	14	--	42	40	60
3	Simulation (AMA 488)	3	28	14	--	42	40	60	Simulation (AMA 488)	3	28	14	--	42	40	60
3	Case Study (AMA 492)	6	Project Supervision 84			84	100	--	Case Study I (AMA 493)	3	Project Supervision 42			42	100	--
3	Electronic Commerce (COMP 418)	3	28	TU/Supp Lec 14		42	40	60								
3	Plus Two Electives	6							Plus Four Electives	12						
	Sub-total	21							Sub-total	21						
	Total (3 Stages)	63							Total (3 Stages)	63						

Elective Subjects

	Existing curriculum								Proposed Curriculum (2005/06)							
	Title (Code)	Credits	Student Contact Hours				Assessment		Title (Code)	Credits	Student Contact Hours				Assessment	
			LT	TU	Lab	Total	CA	FE			LT	TU	Lab	Total	CA	FE
	Further Calculus (AMA 251)	3	28	14	--	42	40	60	Further Calculus (AMA 251)	3	28	14	--	42	40	60
	Applied Probability Models (AMA 355)	3	28	14	--	42	40	60	Applied Probability Models (AMA 355)	3	28	14	--	42	40	60
	Statistical Inference (AMA 364)	3	28	14	--	42	40	60	Statistical Inference (AMA 364)	3	28	14	--	42	40	60
	Financial Modelling (AMA 455)	3	28	TU/Seminar 14		42	40	60	Financial Modelling (AMA 455)	3	28	TU/Seminar 14		42	40	60
	Graphs and Networks (AMA 456)	3	28	14	--	42	50	50	Graphs and Networks (AMA 456)	3	28	14	--	42	50	50
	Forecasting and Applied Time Series Analysis (AMA 465)	3	28	14	--	42	40	60	Forecasting and Applied Time Series Analysis (AMA 465)	3	28	14	--	42	40	60
	Multivariate Statistical Methods (AMA 466)	3	28	14	--	42	40	60	Multivariate Statistical Methods (AMA 466)	3	28	14		42	40	60
	Econometrics (AMA 481)	3	28	14		42	45	55	Econometrics (AMA 481)	3	28	14		42	45	55
	Scheduling (AMA 482)	3	28	14	--	42	40	60	Scheduling (AMA 482)	3	28	14	--	42	40	60
	Optimal Control with Management Science Applications (AMA 483)	3	28	TU/Seminar 14		42	40	60	Optimal Control with Management Science Applications (AMA 483)	3	28	TU/Seminar 14		42	40	60
	Optimization Methods (AMA 485)	3	28	14		42	40	60	Optimization Methods (AMA 485)	3	28	14		42	40	60
	Operating Systems & System Programming (COMP 307)	3	28	14		42	40	60	Case Study II (AMA494)	3	Project Supervision 42			42	100	--
	Computer Graphics (COMP 407)	3	28	TU/Lab/ Supp Lec 14		42	40	60	Operating Systems & System Programming (COMP 307)	3	28	14		42	55	45
	Data Warehousing and Data Mining Techniques in Business and Commerce (COMP 417)	3	28	TU/Lab/ Supp Lec 14		42	50	50	Computer Graphics (COMP 407)	3	28	--	14	42	60	40
	Internet Computing (COMP 420)	3	28	TU/Supp Lec 14		42	40	60	Data Warehousing and Data Mining Techniques in Business and Commerce (COMP 417)	3	38		4	42	55	45
									E-Commerce (COMP 418)	3	28	--	14	42	55	45
									Introduction to Internet Computing (COMP 320)	3	28	--	14	42	55	45