

Year:2019								
School Name	Class / Module Code	Class / Module Title	Stream	No of ECTS Credits (5 ECTS (European) normally = 3 US Credits (All Students should discuss this Home University for transferring back)	Semester Period Semester 1 - Sep - Jan Semester 2 Jan - May 'O' denotes full academic year	Continous Assessment % (CA%) All 100 % CA Classes are highlighted in Green	Examination Element% or (Exam %)	Students - Please Note the following if selecting this class but ensure you have the relevant background for all of the classes below even if there are not notes entered.
BIOTECHNOLOGY	BE201	Biomolecules and Metabolism	ECSAO	5.00	1	20	80	
BIOTECHNOLOGY	BE208	Pollution & Biosphere	ECSAO	5.00	1	100	0	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE224	Bioprocess Engineering Principles	ECSAO	5.00	1	20	80	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE226	Cell Biology	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE230	Cell Structure and Function	ECSAO	5.00	1	20	80	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE301	Gene Cloning and Gene Expression	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE309	Immunology & Cell Biology for Engineers	ECSAO	5.00	1	20	80	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE310	Comparative Genomics & Developmental Biology	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE322	Bioreactors and Primary Separations	ECSAO	5.00	1	20	80	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE401	Industrial Bioprocessing	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
BIOTECHNOLOGY	BE433	Immunology and Immunoanalysis	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS107	Chemistry for Health Related Professions	ECSAO	5.00	1	50	50	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS202	Spectroscopy and Physical Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS204	Organic Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS207	Visualisation & Validation of Laboratory Data	ECSAO	5.00	1	100	0	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS301	Organometallics and Polymer Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS302	Separation Techniques	ECSAO	5.00	1	20	80	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS303	Analytical Spectroscopy	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS307	Organic Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS311	Medicinal Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS401	Advanced Spectroscopy	ECSAO	5.00	0	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS404	Interfacial and Supramolecular Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS405	Advanced Topics in Organic Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS406	Advanced Inorganic Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS407	Biosynthesis and Pharmacognosy	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS409	Advanced Analytical Applications	ECSAO	5.00	1	100	0	Please speak to lecturer to ascertain suitability
CHEMICAL SCIENCES	CS414	Advanced Medicinal Chemistry	ECSAO	5.00	1	0	100	Please speak to lecturer to ascertain suitability
COMPUTING	CA103	Computer Systems	ECSAO	5.00	1	25	75	
COMPUTING	CA168	Digital World Exam Element	ECSAO	5.00	1	0	100	
COMPUTING	CA1681	Digital World CA Element	ECSAO	5.00	1	100	0	
COMPUTING	CA172	Problem-solving,Creativity& Critical Thinking	ECSAO	5.00	1	25	75	
COMPUTING	CA200	Quantitative Analysis for Business Decisions	ECSAO	5.00	1	25	75	
COMPUTING	CA208	Logic	ECSAO	5.00	1	50	50	
COMPUTING	CA222	Enterprise Information Systems	ECSAO	5.00	1	100	0	
COMPUTING	CA268	Computer Programming 3 (Data Struct. & Alg.)	ECSAO	5.00	1	30	70	
COMPUTING	CA296	Compt. Archit. & Assembly Level Programming	ECSAO	10.00	1	40	60	
COMPUTING	CA304	Computer Networks 2	ECSAO	5.00	1	25	75	
COMPUTING	CA314	OO Analysis and Design	ECSAO	5.00	1	25	75	
COMPUTING	CA318	Advanced Algorithms and A.I. Search	ECSAO	5.00	1	25	75	
COMPUTING	CA320	Computability and Complexity	ECSAO	5.00	1	25	75	
COMPUTING	CA341	Comparative Programming Languages	ECSAO	5.00	1	30	70	
COMPUTING	CA348	Business Information Management	ECSAO	5.00	1	50	50	
COMPUTING	CA349	IT Architecture	ECSAO	5.00	1	20	80	
COMPUTING	CA357	Human Computer Interaction	ECSAO	5.00	1	50	50	
COMPUTING	CA358	Fundamentals of Software Testing	ECSAO	5.00	1	25	75	
COMPUTING	CA377	Programming Fundamentals (Project)	ECSAO	5.00	1	100	0	
COMPUTING	CA392	Project Management	ECSAO	5.00	1	25	75	

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COMPUTING	CA4003	Compiler Construction	ECSAO	7.50	1	30	70	
COMPUTING	CA4005	Cryptography and Security Protocols	ECSAO	7.50	1	30	70	
COMPUTING	CA4009	Search Technologies	ECSAO	7.50	1	30	70	
COMPUTING	CA4010	Data Warehousing & Data Mining	ECSAO	7.50	1	25	75	
COMPUTING	CA4101	Enterprise Architecture (C)	ECSAO	7.50	1	30	70	
COMPUTING	CA4102	High-Tech. Innovation & Entrepreneurship (C)	ECSAO	7.50	1	100	0	
COMPUTING	CA4105	Mechanics of Search & Social Media Strategies	ECSAO	7.50	1	50	50	
COMPUTING	CA640	Professional & Research Practice	ECSAO	7.50	1	50	50	Masters Level Students Only
COMPUTING	CA642	Cryptography & Number Theory	ECSAO	7.50	1	25	75	Masters Level Students Only
COMPUTING	CA644	System Software	ECSAO	7.50	1	25	75	Masters Level Students Only
COMPUTING	CA647	Secure Programming	ECSAO	7.50	1	30	70	Masters Level Students Only
COMPUTING	CA660	Statistical Data Analysis	ECSAO	7.50	1	25	75	Masters Level Students Only
COMPUTING	CA674	Cloud Architectures	ECSAO	7.50	1	25	75	Masters Level Students Only
COMPUTING	CA682	Data Management and Visualisation	ECSAO	7.50	1	25	75	Masters Level Students Only
ELECTRONIC ENGINEERING	EE203	Circuits	ECSAO	5.00	1	20	80	
ELECTRONIC ENGINEERING	EE206	Operating Systems	ECSAO	5.00	1	15	85	
ELECTRONIC ENGINEERING	EE223	Digital and Analogue Electronics I	ECSAO	5.00	1	25	75	
ELECTRONIC ENGINEERING	EE224	Data Communications & Networks I	ECSAO	5.00	1	25	75	
ELECTRONIC ENGINEERING	EE314	Signals	ECSAO	10.00	1	20	80	
ELECTRONIC ENGINEERING	EE317	Computation/Simulation	ECSAO	5.00	1	60	40	
ELECTRONIC ENGINEERING	EE319	Electromechanical Systems	ECSAO	5.00	1	30	70	
ELECTRONIC ENGINEERING	EE323	Electromagnetism II	ECSAO	5.00	1	20	80	
ELECTRONIC ENGINEERING	EE401	DSP - Digital Filters & DFT	ECSAO	5.00	1	20	80	
ELECTRONIC ENGINEERING	EE402	OOP with Embedded Systems	ECSAO	7.50	1	25	75	
ELECTRONIC ENGINEERING	EE419	Industrial Electronics	ECSAO	5.00	1	25	75	
ELECTRONIC ENGINEERING	EE425	Image Processing & Analysis	ECSAO	5.00	1	25	75	
ELECTRONIC ENGINEERING	EE450	Communications Theory	ECSAO	7.50	1	20	80	
ELECTRONIC ENGINEERING	EE452	Wireless/Mobile Communications	ECSAO	7.50	1	25	75	
ELECTRONIC ENGINEERING	EE453	Image Processing & Analysis (Plus)	ECSAO	7.50	1	25	75	
ELECTRONIC ENGINEERING	EE458	Control Systems Analysis	ECSAO	5.00	1	15	85	
ELECTRONIC ENGINEERING	EE463	Solid State Electr. & Semiconductor Devices	ECSAO	7.50	1	20	80	
ELECTRONIC ENGINEERING	EE496	Computer Architecture and HDL	ECSAO	5.00	1	30	70	
ELECTRONIC ENGINEERING	EM113	Introduction to Electronics	ECSAO	5.00	1	40	60	
HEALTH AND HUMAN PERFO	SS102	Health & Fitness 1: Theory & Practice	ECSAO	7.50	1	100	0	
HEALTH AND HUMAN PERFO	SS201	Health and Fitness 3	ECSAO	5.00	1	100	0	
HEALTH AND HUMAN PERFO	SS312	Medicine in Sport	ECSAO	5.00	1	100	0	
HEALTH AND HUMAN PERFO	SS405	Coaching and Sports Policy and Planning	ECSAO	5.00	1	100	0	
MATHEMATICAL SCIENCES	MS103	Linear Mathematics I	ECSAO	5.00	1	20	80	
MATHEMATICAL SCIENCES	MS111	Mathematical Concepts and Skills	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS112	Differential Calculus	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS123	Mathematics for Scientists 1	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS126	Calculus	ECSAO	10.00	0	25	75	
MATHEMATICAL SCIENCES	MS136	Mathematics for Economics and Business	ECSAO	5.00	1	15	85	
MATHEMATICAL SCIENCES	MS205	Calculus of Several Variables	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS213	Numerical Methods	ECSAO	7.50	1	75	25	
MATHEMATICAL SCIENCES	MS217	Linear Algebra	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS221	Calculus of Several Variables	ECSAO	5.00	1	20	80	
MATHEMATICAL SCIENCES	MS225	Introduction to Differential Equations	ECSAO	5.00	1	10	90	

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MATHEMATICAL SCIENCES	MS231	Analysis	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS241	Geometry:From Shape&Space to Hyperbolic Plane	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS308A	Stochastic Modelling	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS309	Partial Differential Equations	ECSAO	7.50	1	10	90	
MATHEMATICAL SCIENCES	MS318	Financial Mathematics	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS339	Mechanics	ECSAO	5.00	1	25	75	
MATHEMATICAL SCIENCES	MS406	Coding and Cryptography	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS408	Probability and Finance II (Intermediate)	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS427	Financial Economics I	ECSAO	7.50	1	25	75	
MATHEMATICAL SCIENCES	MS437	Probability and Finance I (Intermediate)	ECSAO	7.50	1	25	75	
MECHANICAL ENGINEERING	EM115	Materials Engineering	ECSAO	5.00	1	30	70	
MECHANICAL ENGINEERING	EM121	Engineering Mathematics I	ECSAO	5.00	1	25	75	
MECHANICAL ENGINEERING	MM203	Mechanics of Machines 1	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM211	Strength of Materials I	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM252	Manufacturing Processes 1	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM281	Engineering Computation	ECSAO	5.00	1	50	50	
MECHANICAL ENGINEERING	MM3002	Project for Exchange / Study Abroad	ECSAO	15.00	1	100	0	
MECHANICAL ENGINEERING	MM3003	Project for Exchange / Study Abroad	ECSAO	30.00	0	100	0	
MECHANICAL ENGINEERING	MM3003	Project for Exchange / Study Abroad	ECSAO	30.00	1	100	0	
MECHANICAL ENGINEERING	MM306	Mechanics of Machines 2	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM307	Measurement & Signal Processing	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM309	Project & Quality Management	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM310	Product Design	ECSAO	10.00	0	100	0	
MECHANICAL ENGINEERING	MM344	Group Project	ECSAO	5.00	1	100	0	
MECHANICAL ENGINEERING	MM354	Lean and 6 Sigma Manufacturing	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM382	Probability and Engineering Statistics	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM409	Adv Eng Materials & Manufacturing Processes	ECSAO	5.00	1	40	60	
MECHANICAL ENGINEERING	MM421	Finite Element Analysis	ECSAO	7.50	1	40	60	
MECHANICAL ENGINEERING	MM432	Heat Transfer and Fluid Mechanics	ECSAO	7.50	1	30	70	
MECHANICAL ENGINEERING	MM453	Manufacturing Automation	ECSAO	5.00	1	20	80	
MECHANICAL ENGINEERING	MM523	Product Design, Development & Value Analysis	ECSAO	7.50	1	20	80	
MECHANICAL ENGINEERING	MM530	Surface Engineering & Tribology	ECSAO	7.50	1	20	80	
MECHANICAL ENGINEERING	MM533	Research Practice & Methodology	ECSAO	7.50	1	50	50	
NURSING	NS131	Understanding Intellectual Disability 1	ECSAO	5.00	1	100	0	
NURSING	NS141	Drugs in Society	ECSAO	5.00	1	100	0	
NURSING	NS263	Children & Intellectual Disability	ECSAO	5.00	1	100	0	
NURSING	NS270	Epidemiology	ECSAO	5.00	1	100	0	
NURSING	NS280	Society, Health & Illness	ECSAO	5.00	1	60	40	
NURSING	NS390	Health Promotion	ECSAO	5.00	1	100	0	
NURSING	NS441	Management & Leadership in Prof Practice	ECSAO	5.00	1	100	0	
PHYSICAL SCIENCES	PS129	Modern Technology 1: Eng. Trans.Elect. Pwr.	ECSAO	5.00	1	0	100	
PHYSICAL SCIENCES	PS201	Quantum Physics I	ECSAO	5.00	1	20	80	
PHYSICAL SCIENCES	PS207	Relativity, Nuclear and Particle Physics	ECSAO	5.00	1	20	80	
PHYSICAL SCIENCES	PS301	Quantum Physics II	ECSAO	5.00	1	25	75	
PHYSICAL SCIENCES	PS302	Statistical Physics	ECSAO	5.00	1	25	75	
PHYSICAL SCIENCES	PS305	Semiconductor Physics I	ECSAO	5.00	1	20	80	
PHYSICAL SCIENCES	PS307	Wave Optics	ECSAO	5.00	1	20	80	
PHYSICAL SCIENCES	PS311	Stellar Physics	ECSAO	5.00	1	20	80	