

Modules highlighted in GREEN are
100% Continuous Assessment

Module Catalogue 2019-2020

Semester 1 - Fall
2 - Spring
0 - year-long

School Name	Module Code	Module Title	Qual. Code	Credit	Semester	CA%	Exam %	Quota (Group & Lect)	Notes
BIOTECHNOLOGY	BE201	Biomolecules and Metabolism	ECSAX	5.00	1	20	80		Speak to lecturer to confirm suitability
BIOTECHNOLOGY	BE224	Bioprocess Engineering Principles	ECSAX	5.00	1	20	80		
BIOTECHNOLOGY	BE226	Cell Biology	ECSAX	5.00	1	0	100		
BIOTECHNOLOGY	BE230	Cell Structure and Function	ECSAX	5.00	1	20	80		
BIOTECHNOLOGY	BE301	Gene Cloning and Gene Expression	ECSAX	5.00	1	0	100		
BIOTECHNOLOGY	BE310	Comparative Genomics & Developmental Biology	ECSAX	5.00	1	0	100		
BIOTECHNOLOGY	BE322	Bioreactors and Primary Separations	ECSAX	5.00	1	10	90		
BIOTECHNOLOGY	BE401	Industrial Bioprocessing	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
BIOTECHNOLOGY	BE433	Immunology and Immunoanalysis	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
BIOTECHNOLOGY	BE202	Microbiology and Genetics	ECSAX	5.00	2	0	100		Speak to lecturer to confirm suitability
BIOTECHNOLOGY	BE223	Transport Processes	ECSAX	5.00	2	20	80		
BIOTECHNOLOGY	BE233	Microbiology and Genetics II	ECSAX	5.00	2	20	80		
BIOTECHNOLOGY	BE434	Human Inheritance and Population Genetics	ECSAX	5.00	2	0	100		Speak to lecturer to confirm suitability
BIOTECHNOLOGY	BE435	Animal Cell Biotechnology	ECSAX	5.00	2	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS401	Advanced Spectroscopy	ECSAX	5.00	0	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS425	Advanced Spectroscopy	ECSAX	10.00	0	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS107	Chemistry for Health Related Professions	ECSAX	5.00	1	50	50		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS202	Spectroscopy and Physical Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS204	Organic Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS207	Visualisation & Validation of Laboratory Data	ECSAX	5.00	1	100	0		Speak to lecturer to confirm suitability

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CHEMICAL SCIENCES	CS301	Organometallics and Polymer Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS302	Separation Techniques	ECSAX	5.00	1	20	80		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS303	Analytical Spectroscopy	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS307	Organic Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS311	Medicinal Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS404	Interfacial and Supramolecular Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS405	Advanced Topics in Organic Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS406	Advanced Inorganic Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS409	Advanced Analytical Applications	ECSAX	5.00	1	100	0		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS414	Advanced Medicinal Chemistry	ECSAX	5.00	1	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS102	Introductory Chemistry 2	ECSAX	5.00	2	20	80		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS205	Inorganic Chemistry	ECSAX	5.00	2	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS206	Bio-organic and Pharmaceutical Chemistry	ECSAX	5.00	2	0	100		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS306	Regulation and Data Analysis	ECSAX	5.00	2	100	0		Choose one of CS306 or CS312
CHEMICAL SCIENCES	CS308	Computational and Inorganic Chemistry	ECSAX	5.00	2	100	0		Speak to lecturer to confirm suitability
CHEMICAL SCIENCES	CS312	Formulation	ECSAX	5.00	2	100	0		Choose one of CS306 or CS312

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CHEMICAL SCIENCES	CS415	Drug Design workshop	ECSAX	5.00	2	100	0		Speak to lecturer to confirm suitability
HEALTH AND HUMAN PERFORMANCE	SS102	Health & Fitness 1: Theory & Practice	ECSAX	7.50	1	100	0		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS201	Health and Fitness 3	ECSAX	5.00	1	100	0		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS312	Medicine in Sport	ECSAX	5.00	1	100	0		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS405	Coaching and Sports Policy and Planning	ECSAX	5.00	1	100	0		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS107	Motor Control & Learning	ECSAX	5.00	2	60	40		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS125	Technology in Sports Science & Health	ECSAX	5.00	2	100	0		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS206	Sport and Exercise Biomechanics 1	ECSAX	5.00	2	30	70		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS209	Sociology of Sport 2	ECSAX	5.00	2	40	60		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS238	Genetics & Health	ECSAX	5.00	2	40	60		Check with module co-ordinator for any pre or co-requisites
HEALTH AND HUMAN PERFORMANCE	SS317	Injury, Exercise and Sport Biomechanics	ECSAX	5.00	2	50	50		Check with module co-ordinator for any pre or co-requisites
MATHEMATICAL SCIENCES	MS103	Linear Mathematics I	ECSAX	5.00	1	20	80		

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MATHEMATICAL SCIENCES	MS111	Mathematical Concepts and Skills	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS112	Differential Calculus	ECSAX	5.00	1	25	75		
MATHEMATICAL SCIENCES	MS123	Mathematics for Scientists 1	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS129	Calculus I	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS136	Mathematics for Economics and Business	ECSAX	5.00	1	15	85		
MATHEMATICAL SCIENCES	MS205	Calculus of Several Variables	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS213	Numerical Methods	ECSAX	7.50	1	25	75		
MATHEMATICAL SCIENCES	MS217	Linear Algebra	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS221	Calculus of Several Variables	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS225	Modelling with Differential Equations	ECSAX	5.00	1	10	90		
MATHEMATICAL SCIENCES	MS231	Analysis	ECSAX	7.50	1	20	80		
MATHEMATICAL SCIENCES	MS241	Geometry: From Shape & Space to Hyperbolic Plane	ECSAX	5.00	1	25	75		
MATHEMATICAL SCIENCES	MS308A	Stochastic Modelling	ECSAX	7.50	1	25	75		
MATHEMATICAL SCIENCES	MS309	Partial Differential Equations	ECSAX	7.50	1	10	90		
MATHEMATICAL SCIENCES	MS318	Financial Mathematics	ECSAX	7.50	1	25	75		
MATHEMATICAL SCIENCES	MS339	Mechanics	ECSAX	5.00	1	20	80		
MATHEMATICAL SCIENCES	MS406	Coding and Cryptography	ECSAX	7.50	1	20	80		
MATHEMATICAL SCIENCES	MS408	Probability and Finance II (Intermediate)	ECSAX	7.50	1	20	80		
MATHEMATICAL SCIENCES	MS427	Financial Economics I	ECSAX	7.50	1	25	75		
MATHEMATICAL SCIENCES	MS437	Probability and Finance I (Intermediate)	ECSAX	7.50	1	20	80		
MATHEMATICAL SCIENCES	MS104	Linear Mathematics II	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS113	Integral Calculus	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS114	Sequences and Series	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS117	Probability 1	ECSAX	5.00	2	40	60		
MATHEMATICAL SCIENCES	MS124	Mathematics for Scientists 2	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS130	Calculus II	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS200	Linear Algebra	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS200A	Linear Mathematics	ECSAX	7.50	2	20	80		
MATHEMATICAL SCIENCES	MS211	Introduction to Differential Equations	ECSAX	5.00	2	20	80		

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MATHEMATICAL SCIENCES	MS216	Mathematics of Finance:An Introduction	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS223	Probability and Statistics	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS232	Probability II	ECSAX	7.50	2	20	80		
MATHEMATICAL SCIENCES	MS242	Numbers: from the integers to the infinite	ECSAX	5.00	2	25	75		
MATHEMATICAL SCIENCES	MS425	Fixed Income Securities (Intermediate)	ECSAX	7.50	2	0	100		
MATHEMATICAL SCIENCES	MS426	Stochastic Finance (Intermediate)	ECSAX	7.50	2	0	100		
MATHEMATICAL SCIENCES	MS428	Financial Economics II	ECSAX	7.50	2	25	75		
MATHEMATICAL SCIENCES	MS445	Topics in Astrophysics	ECSAX	5.00	2	20	80		
MATHEMATICAL SCIENCES	MS447A	Time Series (Intermediate)	ECSAX	7.50	2	25	75		
MATHEMATICAL SCIENCES	MS448	Life Contingencies	ECSAX	10.00	2	25	75		
NON AWARD VISITORS	NA001	Non Award Visitors	ECSAX	0.00	0	100	0		
NON AWARD VISITORS	NA001	Non Award Visitors	ECSAX	0.00	1	100	0		
NON AWARD VISITORS	NA001	Non Award Visitors	ECSAX	0.00	2	100	0		
Nursing, Psych & Comm Health	NS131	Understanding Intellectual Disability 1	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS141	Drugs in Society	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS263	Wellbeing across the lifespan 1	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS270	Epidemiology	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS280	Society, Health & Illness	ECSAX	5.00	1	60	40		
Nursing, Psych & Comm Health	NS390	Health Promotion	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS441	Management & Leadership in Prof Practice	ECSAX	5.00	1	100	0		
Nursing, Psych & Comm Health	NS127	Introduction to Anthropology	ECSAX	5.00	2	50	50		
Nursing, Psych & Comm Health	NS272A	Culture, Health and Illness	ECSAX	5.00	2	50	50	55	Quotas apply
Nursing, Psych & Comm Health	NS326	Working for Inclusion	ECSAX	5.00	2	100	0	55	Quotas apply

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Nursing, Psych & Comm Health	NS329	Sociology of Mental Health	ECSAX	5.00	2	50	50		
Nursing, Psych & Comm Health	NS347	Comparative Health Systems	ECSAX	5.00	2	100	0		
Nursing, Psych & Comm Health	NS370	Challenging Global Health Problems	ECSAX	5.00	2	50	50		
PHYSICAL SCIENCES	PS129	Modern Technology 1: Eng. Trans.Elect. Pwr.	ECSAX	5.00	1	0	100		
PHYSICAL SCIENCES	PS201	Quantum Physics I	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS207	Nuclear Physics and Relativity	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS301	Quantum Physics II	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS302	Statistical Physics	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS305	Semiconductor Physics I	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS307	Wave Optics	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS311	Stellar Physics	ECSAX	5.00	1	20	80		
PHYSICAL SCIENCES	PS104	Electricity and Magnetism	ECSAX	5.00	2	20	80		
PHYSICAL SCIENCES	PS105	Physical & Thermal Properties of Matter	ECSAX	5.00	2	20	80		
PHYSICAL SCIENCES	PS108	The Universe	ECSAX	5.00	2	20	80		
PHYSICAL SCIENCES	PS130	Modern Technology 2: Elect.&Comms.	ECSAX	5.00	2	0	100		
PHYSICAL SCIENCES	PS202	Electromagnetism	ECSAX	5.00	2	20	80		
PHYSICAL SCIENCES	PS204	Solid State Physics I	ECSAX	5.00	2	20	80		
PHYSICAL SCIENCES	PS213	Space Science and Technology	ECSAX	5.00	2	20	80		

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