

Block Code/ Period Code	Module Code	Module Title	Credits	Exam	CA
0	AC103	Accounting for Business Students	10	70	30
0	AC216	Corporate Financial Mgt. & Investments	10	80	20
0	EE109	Electronics Fundamentals	10	70	30
0	EE214	Circuits and Systems	10	70	30
0	EE216	Electromagnetism and Analog	10	75	25
0	EE412	Telecommunications Project	20	0	100
0	EE413	Electronic Engineering Project	20	0	100
0	EE441	Digital Media Engineering Project	20	0	100
0	EM103	Mathematics 1 (Engineering)	10	70	30
0	EM203	Mathematics II (Engineering)	10	70	30
0	LG119	Understanding the Global System	15	0	100
0	LG214	Multilevel Governance	10	0	100
0	LG217	Equality, Development and Peace: Challenges for International Relations	15	0	100
0	LG218	Independent Study Project	15	0	100
0	MM183	Engineering Mathematics(Mechanical)	10	70	30
0	MM283	Engineering Mathematics II (Mechanical)	10	70	30
0	MM441	Project (Linked Module)	20	0	100
0	MM442	CAM Project	20	0	100
0	MM445	Project	20	0	100
0	MM446	BME Project	20	0	100
0	MS125	MATHEMATICS FOR SCIENTISTS	10	70	30
0	MT301	Strategic Management	10	60	40
0	PS131	Average result for PS126 and PS127	10	0	0
0	SP487	Minor Language: Spanish	5	0	100
1	AC106	Accounting for Non-Business Students	5	100	0
1	AC114	Principles of Financial Accounting	5	100	0
1	AC211	Financial Management	5	100	0
1	AC301	Taxation	5	100	0
1	AC302	Financial Statement Analysis	5	100	0
1	AC311	International Reporting Environment	5	0	100
1	AC316	Accounting I	7.5	100	0
1	AC317	Corporate Financial Management	5	80	20
1	BE101	INTRODUCTION TO CELL BIOLOGY AND BIOCHEMISTRY	0	80	20
1	BE101A	INTRODUCTION TO CELL BIOLOGY & BIOCHEMISTRY	5	80	20
1	BE101E	INTRODUCTION TO CELL BIOLOGY AND BIOCHEMISTRY	5	80	20
1	BE201	Biomolecules and Metabolism	5	100	0
1	BE208	Pollution and the Biosphere	5	0	100
1	BE221	ENGINEERING PRINCIPLES AND THERMODYNAMICS	5	100	0
1	BE230	Cell Structure and Function	5	100	0
1	BE301	GENE CLONING AND GENE EXPRESSION	5	100	0
1	BE302	BIOCHEMICAL AND MICROBIOLOGICAL ANALYSIS	5	100	0
1	BE303	MICROBIAL AND ANIMAL CELL CULTURE	2.5	100	0
1	BE305	CLINICAL BIOCHEMISTRY	2.5	100	0
1	BE321	SEPARATION PROCESSES I	5	80	20
1	BE322	TRANSPORT PHENOMENA IN BIOPROCESS SYSTEMS	5	100	0
1	BE330	Biological Waste Treatment	5	100	0
1	BE401	INDUSTRIAL BIOPROCESSING	5	80	20
1	BE402	PROTEIN BIOTECHNOLOGY	5	100	0
1	BE407	Detection & Manipulation of Nucleic Acids	2.5	100	0
1	BE421	BIOREACTION ENGINEERING	5	100	0
1	BI105	Creativity and Discovery	5	0	100
1	CA107	Topics in Computing	5	0	100
1	CA208	Logic	5	50	50
1	CA215	Languages and Computability	5	75	25
1	CA217	Introduction to Networks and Internet	5	75	25
1	CA219	Probability	5	80	20
1	CA221	Business Organisation	5	80	20
1	CA234	Quantitative Methods 1	5	100	0
1	CA256	Human Factors in Computing	5	75	25
1	CA300	Introduction to Artificial Intelligence	5	70	30
1	CA304	Computer Networks 2	5	75	25
1	CA305	Project and Process Management	5	75	25
1	CA306	Database Deployment	5	80	20
1	CA313	Algorithms & Complexity	5	100	0
1	CA314	00 Analysis and Design	5	75	25
1	CA321	Operating Systems Design & Implementation	5	70	30
1	CA325	Sampling Theory/Survey Design	5	90	10
1	CA326	Year 3 Project	20	0	100
1	CA348	Information System Strategy	5	50	50
1	CA400	Project	15	0	100
1	CA416	Cryptography	5	75	25
1	CA427	Operations Research	5	80	20
1	CA431	Digital Signal Processing 1	5	100	0
1	CA433	Computer Graphics 1	5	75	25
1	CA437	Multimedia Information Retrieval	5	75	25
1	CA441	Business Process Management	5	50	50
1	CA448	Compiler construction 1	5	70	30
1	CA460	Machine Translation 1	5	50	50

1	CA461	Speech Processing 1	5	40	60
1	CA484	Computational Semantics 1			
1	CA500	Secure Coding	5	50	50
1	CA613	Law and Ethics	5	75	25
1	CM107	Social & Economic Studies	5	0	100
1	CM131	Multimedia Studies	5	0	100
1	CM210	Social History and TV Drama	5	0	100
1	CM233	Media Art and Graphic Design	5	0	100
1	CM245	Computer-mediated Communications & Society	5	0	100
1	CM261	Crime and the Media	5	0	100
1	CM271	Current Affairs	5	0	100
1	CM302	Culture & Modernism	5	40	60
1	CM306	Film History & Theory	5	100	0
1	CM308	Broadcasting: Policy and Issues	5	0	100
1	CM325	Literature and Journalism	5	0	100
1	CM332	History of Ideas	5	0	100
1	CM334	Perspectives on the Information Society	5	0	100
1	CM358	Cultural Performance & Popular Entertainment	5	0	100
1	CS101	INORGANIC AND ANALYTICAL CHEMISTRY	0	100	0
1	CS101E	INORGANIC AND ANALYTICAL CHEMISTRY	5	100	0
1	CS202	SPECTROSCOPY AND PHYSICAL CHEMISTRY	5	100	0
1	CS202A	Spectroscopy & Physical Chemistry		100	0
1	CS204	ORGANIC CHEMISTRY	5	100	0
1	CS207	Visualisation and Val of Lab. Data	5	0	100
1	CS208	Health & Safety & Laboratory management	2.5	0	100
1	CS212	Atmospheric and Aquatic Chemistry	5	100	0
1	CS301	CHEMISTRY TOPICS	5	100	0
1	CS301A	Chemistry Topics		100	0
1	CS302	SEPARATION TECHNIQUES	5	100	0
1	CS303	ANALYTICAL SPECTROSCOPY	5	100	0
1	CS305	PHYSICAL CHEMISTRY & MATERIALS SCIENCE	5	100	0
1	CS307	ORGANIC CHEMISTRY	5	100	0
1	CS311	Medicinal Chemistry	5	100	0
1	CS315	Environmental Sampling and Analysis	5	100	0
1	CS315A	Environmental Sampling and Analysis	0	100	0
1	CS401	ADVANCED SPECTROSCOPY	5	100	0
1	CS404	Physical Methods of Analysis	5	100	0
1	CS405	Advanced Topics in Organic Chemistry	5	100	0
1	CS406	Organometallics & Bioinorganic Chemistry	5	100	0
1	CS407	Biosynthesis & Pharmacognosy	5	100	0
1	CS409	Analytical Problem Solving	5	0	100
1	CS410	Problem solving in Organic Chemistry	2.5	0	100
1	CS411	Environmental Analysis	5	80	20
1	CS414	Advanced Medicinal Chemistry	5	75	25
1	CS416	Forensic & Pharmaceutical Analysis	2.5	100	0
1	EE101	Digital Electronics	5	75	25
1	EE102	Software Engineering 1	5	0	100
1	EE103	Electrical Engineering Fundamentals	5	70	30
1	EE104	Electronic Engineering Design	5	0	100
1	EE198	Electronics 1	5	80	20
1	EE201	Digital Circuits and Systems	5	75	25
1	EE202	Software Engineering 3	5	85	15
1	EE203	Circuits	5	70	30
1	EE213	VLSI Design	5	50	50
1	EE219	Object Oriented Programming 1	5	75	25
1	EE221	Database Systems & Software Analysis & Design	5	100	0
1	EE291	Basic ECAD Tools	2.5	0	100
1	EE307	Design of Real Time Systems	5	75	25
1	EE308	RF Propagation & Radio Link Design	5	80	20
1	EE308E	RF Propagation & Radio Link Design	5	80	20
1	EE313	Electromagnetics	10	80	20
1	EE314	Signals	10	80	20
1	EE315	Solid State Electronics	5	80	20
1	EE316	Systems and Analog	5	85	15
1	EE401E	Digital Signal Processing	5	80	20
1	EE404D	Digital Electronic Systems	5	70	30
1	EE404E	Digital Electronic Systems	5	70	30
1	EE405E	Control Systems Design	5	60	40
1	EE410	Telecommunications Systems Design I	0	80	20
1	EE419E	Industrial Electronics		85	15
1	EE420	European Beng/Meng Project			
1	EE437E	Web Usability Engineering	5	0	100
1	EE440	Mobile Data & Voice Systems		100	0
1	EE440E	Mobile Data & Voice Systems	5	100	0
1	EE492E	Modelling and Simulation	5	65	35
1	EE502	Digital Signal Processing	7.5	75	25
1	EE504	System Dynamics and Control	7.5	75	25
1	EE540	HDL and High-Level Logic Synthesis	7.5	75	25
1	EE544	Computer and Machine Vision	7.5	75	25
1	EE545	Data Network Protocols	7.5	75	25
1	EE553	Object Oriented Programming For Engineering	7.5	75	25
1	EE554	Image & Video Compression	7.5	75	25
1	EE555	Optical Communications System Design	7.5	75	25

1	EE559	Fundamentals of Nanoelectronics Technology	7.5	75	25
1	EE592	Electronic Systems Project (Completion January)	15	0	100
1	EE592A	Electronic Systems Project (Completion Jan)	15	0	100
1	EE593	Telecommunications Eng Project Complete Jan.	15	0	100
1	EE593A	Telecommunications Eng Project Complete Jan.	15	0	100
1	EF101	Introduction to Microeconomics	5	95	5
1	EF301	Industrial Economics	5	100	0
1	EF302	Macroeconomic Policy	5	0	100
1	EF303	Irish Economic Analysis	5	80	20
1	EF305	International Finance	5	80	20
1	EF306	Financial Theory	5	100	0
1	EF307	Financial Markets	5	100	0
1	EF310	International Trade & Business	5	0	100
1	EF318	New Enterprise Development	5	0	100
1	EF401	Introduction to International Trade	5	100	0
1	EF410	Globalisation	5	100	0
1	EF556	International Political Economy	5	0	100
1	EN104	Debating Skills	5	0	100
1	EN115	Advanced English (Listening/ Speaking)	10	0	100
1	EN203	Negotiating Skills	5	0	100
1	EN301	Oral Skills Intermediate	5	0	100
1	EN323	Academic Writing	5	0	100
1	EN330	Modern Irish Literature: Samuel Beckett	5	100	0
1	EN332	Anglo-Irish Literature 1: The Novel & Short Story	5	0	100
1	ES101	Philosophical Concepts in Education & Training	5	50	50
1	ES102	Curriculum Development & Instructional Design	5	100	0
1	FC001	Language Skills and Intercultural Communication	7.5	0	100
1	FN126	Scribneoireact Phroisis	5	0	100
1	FR103	French Language 1 (Intermediate)	5	0	100
1	FR105	French Language and Culture 1	15	70	30
1	FR115	French Language and Culture 3	10	40	60
1	FR130	French Language 3	5	0	100
1	FR238	French for Academic Purposes: Business 3	5	0	100
1	FR240	French Language 4	5	0	100
1	FR250	French Language 5	5	60	40
1	FR290	French Literature	5	100	0
1	FR358	French Language 5 (Intermediate)	5	0	100
1	FR401	Economic Translation (French)	5		
1	FR424	Social & Contemporary Debates in France	5		
1	FR470	French Language 7	5	0	100
1	FR475	Intercultural Lanuage Skills 2: Advanced Oral French	5	0	100
1	FR476	French Language Skills:Advanced Oral&Written	5	0	100
1	FR501	French General Translation	5	100	0
1	GE101	German Language 1 (Ab initio)	5	0	100
1	GE103	German Language 1 (Intermediate)	5	0	100
1	GE105	German Language and Culture 1	15	80	20
1	GE115	German Language and Culture 3	10	80	20
1	GE130	German Language 3	5	100	0
1	GE201	German Language 3 (Ab initio)	5	0	100
1	GE238	German Language 3 (Intermediate)	5	0	100
1	GE240	German Language 4	5	100	0
1	GE250	German Language 5	5	100	0
1	GE290	German Literature	5	100	0
1	GE358	German Language 5 (Intermediate)	5	0	100
1	GE401	German Spec. Translation/Economic Admin.	5	100	0
1	GE420	Ideology in German Literature and Film	5	0	100
1	GE470	German Language 7	5	0	100
1	GE476	German Language Skills:Advanced Oral&Written	5	0	100
1	GE487	Minor Language: German	5	0	100
1	GE501	German General Translation	5	100	0
1	GE502	German Economic Translation Webbased	5	0	100
1	HR101	Psychology in Organisations	5	100	0
1	HR201	Introduction To Human Resource Management	5	25	75
1	HR204	Communication Skills	5	0	100
1	HR301	Organisational Psychology	5	80	20
1	HR302	Employee Resourcing	5	75	25
1	HR305	Industrial Relations Framework	5	80	20
1	HR308	Human Resource Management	5	100	0
1	IR204	Media and Communication Skills	5	0	100
1	IS101	Information Systems Foundation	5	100	0
1	IS102	Information Systems - Advanced	5	100	0
1	IS205	Business Statistics 1	5	70	30
1	IS301	Electronic Commerce	5	100	0
1	IS303	Information Systems - Data Management	5	30	70
1	JA105	Ab Initio Japanese Language 1	15	75	25
1	JA205	Japanese Language 3	10	75	25
1	JA220	Japanese Reading and Translation 1	5	100	0
1	JA401	Spec. Trans: Economic/Administrative (Japanese)	5	100	0
1	JA421	Images of Japan in Europe	5	0	100
1	JA470	Japanese Language 7	5	100	0
1	LC101	Introduction to Linguistics	5	60	40
1	LC101A	Introduction to Linguistics	5	60	40
1	LC102	Communication and English Language Skills	5	70	30

1	LC110	Language, Culture & Internat. Communication	5	0	100
1	LC206	Approaches to Interculturalism	5	0	100
1	LC207	Introduction to Specialised Translation	5	100	0
1	LC303	Contemporary Irish Society	5	0	100
1	LC412	Translation Technology	5	0	100
1	LC413	Introduction to Psycholinguistics	5	100	0
1	LC476	Transnational Relationships	5	70	30
1	LC479	Representations of Alterity	5	0	100
1	LG101	Introduction to Law	5	70	30
1	LG108	Introduction to Irish Political System	5	70	30
1	LG114	The Emergence of Modern America	5	0	100
1	LG116	Introduction to Politics	5	70	30
1	LG117	Introduction to International Relations	5	70	30
1	LG212	American Studies: Contemporary American Business and Society	5	0	100
1	LG215	Property Law	5	70	30
1	LG216	Law of Torts	5	70	30
1	LG219	Foreign Policy	5	50	50
1	LG313	EU Policy and Politics	5	0	100
1	LG313A	EU Policy and Politics	5	0	100
1	LG322	Media Law	5	60	40
1	LG526	Principles of Public International Law	5	50	50
1	LG528	Research Methodology I	5	0	100
1	LG532	Causes of Conflict and International Security Threats	10	0	100
1	LG533	Resolving and Managing Conflict	10	0	100
1	LG540	Development: Theory and Practice	5	0	100
1	LG566	International Law and the Use of Force	5	50	50
1	MG101	Introduction to Marketing	5	50	50
1	MG204	Applied Market Research	5	50	50
1	MG301	Marketing Management	5	100	0
1	MG302	International Marketing	5	60	40
1	MG303	Business to Business Marketing	5	50	50
1	MG325	Personal Selling and Sales Management	5	50	50
1	MM101	Applied Mechanics 1	5	80	20
1	MM111	Materials Science & Processing Technologies	5	80	20
1	MM121	Integrative Studies Workshop & Engg. Drawing	5	0	100
1	MM181	Engineering Computation 1	5	0	100
1	MM211	Strength of Materials I	5	80	20
1	MM225	Design and Cad I	5	0	100
1	MM227	Thermo-Fluid Mechanics II	5	80	20
1	MM252	Manufacturing Processes 1	5	80	20
1	MM254	Introduction to Manufacturing Systems	2.5	80	20
1	MM271	Technology & Society	2.5	0	100
1	MM281	Engineering Computation III	5	50	50
1	MM282	Statistics- Medical Engineering Applications	2.5	80	20
1	MM302	Instrumentation and Measurement	2.5	80	20
1	MM305	Mechanics of Materials & Machines	5	80	20
1	MM306	Mechanics of Machines 2	5	80	20
1	MM341	Product Design (Group Project Option)	5	0	100
1	MM344	Group Project	5	0	100
1	MM351	CAD/CAM	2.5	0	100
1	MM352	Manufacturing Processes II	5	80	20
1	MM353	Fundamentals of Control	5	80	20
1	MM354	Manufacturing Operations Management	5	80	20
1	MM371	Product Development & Regulatory Compliance	5	0	100
1	MM381	Computer Architecture & Operating Systems	5	50	50
1	MM382	Probability and Engineering Statistics	5	80	20
1	MM391	Prosthetics & Orthotics	2.5	80	20
1	MM401E	Mechanical Engineering System Simulation	5	60	40
1	MM421E	Finite Element Design Analysis	5	50	50
1	MM432E	Computational Fluid Dynamics	5	0	100
1	MM451E	Design For Manufacturing and Assembly	5	80	20
1	MM452E	CIM	5	60	40
1	MM453E	Manufacturing Automation	5	80	20
1	MM456E	Basics of CIM	2.5	60	40
1	MM483E	Computational Stress Analysis & Implant Tech.	5	50	50
1	MM484E	Physiological System and Simulation	5	0	100
1	MM497E	Artificial Organ Techonology	5	60	40
1	MM498E	Rehabilitation Engineering	5	70	30
1	MM523	Product Design, Development & Value Analysis	7.5	80	20
1	MM524	Numerical Methods & Finite Element Analysis	7.5	50	50
1	MM531	Thermo Fluid Mechanics	5	100	0
1	MM542	Project (Masters) Completion January	15	0	100
1	MM542A	Project (Masters) Completion January	15	0	100
1	MM555	Manufacturing Process Analysis & Tool Design	7.5	80	20
1	MM571	Professional Development	7.5	50	50
1	MM572	CAE Project Management	7.5	0	100
1	MM581	Computing and CAE	5	0	100
1	MM584	Manufacturing Systems Simulation	7.5	50	50
1	MM587	Fundamental Engineering Maths	5	0	100
1	MS101	Analysis 1	7.5	75	25
1	MS103	Linear Algebra 1	7.5	75	25
1	MS136	Business Mathematics I	5	85	15

Limited

1	MS143	Discrete Mathematics	5	75	25
1	MS205	Calculus of Several Variables	5	75	25
1	MS207	Probability 1	5	75	25
1	MS225	Introduction to Differential Equations	5	100	0
1	MS301	Modern Analysis	5	70	30
1	MS308	Stochastic Modelling	7.5	75	25
1	MS318	Financial Mathematics	7.5	75	25
1	MS322	INTRODUCTION TO NUMERICAL METHODS	5	80	20
1	MS332	Actuarial Modelling	7.5	100	0
1	MS339	Mechanics	7.5	75	25
1	MS341	Algebra	5	75	25
1	MS344	Risk Theory	10	100	0
1	MS401	Numerical Linear Algebra and Applications	7.5	75	25
1	MS401M	Numerical Linear Algebra and Applications	SM	75	25
1	MS407	Probability and Finance 1	7.5	75	25
1	MS407M	Probability and Finance 1	SM	75	25
1	MS412	Partial Differential Equations	7.5	75	25
1	MS412M	Partial Differential Equations	SM	75	25
1	MS427	Financial Economics 1	7.5	100	0
1	MS427M	Financial Economics 1	SM	100	0
1	MS441	Life Contingencies I	7.5	100	0
1	MS447	Time Series and Linear Methods	7.5	75	25
1	MT103	Management/Business Game	5	70	30
1	MT201	Productions and Operations Management	5	70	30
1	MT302	Organisation Theory and Practice I	5	100	0
1	MT307	Supply Chain Management	5	70	30
1	NS246	Applied Anatomy & Physiology for Health Professionals	5	100	0
1	NS280	Sociology of Health	5	80	20
1	NS390	Health Promotion	5	0	100
1	PS108	The Universe	0	70	30
1	PS108E	The Universe	5	70	30
1	PS110	Concepts and Communications in Physics	5	60	40
1	PS122	PHYSICS FOR GENERAL SCIENCE I	0	80	20
1	PS122E	PHYSICS FOR GENERAL SCIENCE 1	5	80	20
1	PS126A	Mechanics and Heat	0	80	20
1	PS126E	Mechanics and Heat	5	80	20
1	PS201	Quantum Physics I	5	60	40
1	PS203	Electronics I	7.5	70	30
1	PS207	Relativity Nuclear and Particle Physics	5	70	30
1	PS210	OPTICAL TECHNIQUES	5	100	0
1	PS211	Atmospheric Physics	5	70	30
1	PS301	Quantum Physics II	5	70	30
1	PS302	Statistical Physics	5	75	25
1	PS302A	Statistical Physics		75	25
1	PS305	SEMICONDUCTOR PHYSICS I	5	100	0
1	PS307	Wave Optics	5	80	20
1	PS308	Environmental Geophysics	5	70	30
1	PS309	Energy Production and Management	5	70	30
1	PS311	Stellar Physics	5	30	70
1	PS322	Electronics for Science Teachers	5	0	100
1	PS402A	SOLID STATE PHYSICS	0	80	20
1	PS402E	SOLID STATE PHYSICS	7.5	80	20
1	PS407A	Quantum electronics	0	50	50
1	PS407E	QUANTUM ELECTRONICS	7.5	50	50
1	PS412A	ELECTRODYNAMICS	0	60	40
1	PS412E	ELECTRODYNAMICS	7.5	60	40
1	PS415	APPLIED SPECTROSCOPY	0	80	20
1	PS418	Fundamentals of Process Control	5		
1	PS418A	Fundamentals of Process Control	5		
1	SP101	Spanish Language 1 (ab initio)	5	100	0
1	SP105	Spanish Language and Culture 1	15	70	30
1	SP115	Spanish Language and Culture 3	10	70	30
1	SP238	Spanish for Specialist Purposes	5	0	100
1	SP240	Spanish Language 4	5	100	0
1	SP250	Spanish Language 5 (Intermediate)	5	100	0
1	SP290	Spanish Literature	5	100	0
1	SP401	Spec. Trans: Economic/Administrative (Spanish)	5	100	0
1	SP470	Spanish Language 7	5	100	0
1	SP476	Spanish Language Skills: Advanced Oral & Written	5	0	100
1	SP478	Spanish for Academic Purposes (Business) 7	5	0	100
1	SP489	Women and Women's Writing in Post War Spain	5	100	0
1	SP501	Spanish-English General Translation	5	0	100
1	SS101	Introduction to Sport and Health	2.5	40	60
1	SS102	Health and Fitness 1: Theory and Practice	5	50	50
1	SS103	Physiology for Health Sciences 1	5	30	70
1	SS201	Health and Fitness 3	5	0	100
1	SS202	Functional Anatomy	5	50	50
1	SS203	Sport & Exercise Physiology 1	5	30	70
1	SS204	Sport Psychology	5	40	60
1	SS301	Clinical Exercise Physiology 1	5	0	100
1	SS303	Sport & Exercise Biomechanics 2	5	50	50
1	SS306	Principles of Health Promotion	5	60	40
1	SS308	Injury and Rehabilitation	5	60	40

1	SS401	Clinical Exercise Physiology 2	5	0	100
2	AC221	Introduction to Accounting	5	100	0
2	AC222	Audit Principles and Procedures	5	100	0
2	AC318	Fund Accounting	5	100	0
2	BE102E	INTRODUCTION TO MICROBIOLOGY & GENETICS	5	80	20
2	BE202	MICROBIOLOGY AND GENETICS	5	100	0
2	BE206	Pharmacology	2.5	100	0
2	BE231	Pharmaceutical and Biological Chemistry	5	100	0
2	BE233	Microbiology and Genetics II	5	100	0
2	BE431	FOOD BIOTECHNOLOGY	5	100	0
2	BE432	Environmental Biotechnology	5	100	0
2	BE433	IMMUNOLOGY AND IMMUNOANALYSIS	5	100	0
2	BE434	MOLECULAR GENETICS OF PLANTS AND MAN	5	100	0
2	BE435	ANIMAL CELL BIOTECHNOLOGY	5	100	0
2	BE445	SPECIAL TOPICS IN BIOPROCESS ENGINEERING	5	100	0
2	CA106	Web Design	5	50	50
2	CA146	Introduction to Programming	5	50	50
2	CA212	OO Design and Implementation	5	50	50
2	CA214	Systems Analysis	5	50	50
2	CA216	Introduction to Operating Systems	5	50	50
2	CA218	Introduction to Databases	5	75	25
2	CA220	Statistics	5	90	10
2	CA222	Organisational Information Systems	5	70	30
2	CA235	Quantitative Methods II	5	90	10
2	CA247	Advanced Programming	5	50	50
2	CA252	Mathematical Statistics 2	5	80	20
2	CA257	Analytical Information Systems	5	50	50
2	CA420	Database I: Relational Theory and Multidatabase Systems	5	80	20
2	CA429	Operations Research/Management Science	5	80	20
2	CA434	Computer Graphics 2	5	80	20
2	CA438	Multimedia Technology	5	75	25
2	CA449	Compiler Construction 2	5	70	30
2	CA464	Distributed Programming	5	75	25
2	CA480	Real Time Embedded	5	70	30
2	CA483	Logistics Management	5	100	0
2	CA488	Speech Processing 2	5	0	100
2	CA490	Computational Semantics 2			
2	CA532	Pattern Recognition Methods	5	80	20
2	CA616	Forensic Computing	5	50	50
2	CM102	Interculturalism, media & identity in Ireland	5	0	100
2	CM135	Reading Media	5	0	100
2	CM136	Media Culture & Society	5	0	100
2	CM137	History & Structure of the Media	5	80	20
2	CM213	Media Writing & Expression	5	0	100
2	CM219	Cross-Cultural Communications	5	100	0
2	CM226	Ethics of Journalism	5	0	100
2	CM227	Global Communication	5	0	100
2	CM235	Mind, Machine and Narrative	5	0	100
2	CM237	Information Design	5	0	100
2	CM312	Contemporary Cultural Studies	5	0	100
2	CM316	Ireland and National Cinema	5	0	100
2	CM329	Current Affairs	5	0	100
2	CS102E	ORGANIC AND PHYSICAL CHEMISTRY	5	100	0
2	CS104	Introduction to I.T. for Scientists	5	0	100
2	CS201	Thermodynamics and Kinetics	2.5	100	0
2	CS203	SPECTROSCOPIC WORKSHOP	2.5	0	100
2	CS205	INORGANIC CHEMISTRY	5	100	0
2	CS206	BIORGANIC & PHARMACEUTICAL CHEMISTRY	5	100	0
2	CS211	Chemistry of Energy Production and Waste	5	80	20
2	CS306	REGULATION AND DATA ANALYSIS	5	0	100
2	CS308	QUANTUM & INORGANIC CHEMISTRY	5	0	100
2	CS312	Regulation and Formulation	5	0	100
2	CS408	Advanced Spectroscopic Workshop	5	0	100
2	CS413A	Applied Spectroscopy Workshop *	0	0	100
2	CS415	Drug Design Workshop	5	0	100
2	EE105	Software Engineering 2	5	80	20
2	EE107	Electromagnetism 1	5	80	20
2	EE108	Circuit Theory	2.5	0	100
2	EE110	Web Communication	5	0	100
2	EE199	Electronics 2	5	80	20
2	EE206	Software Engineering 4	5	85	15
2	EE207	Systems I	5	70	30
2	EE210	Data Communications and Computer Networks	5	100	0
2	EE217	Electromechanical and Measurement Systems	5	75	25
2	EE218	3-D Computer Graphics	5	0	100
2	EE222	Foundations of TCP/IP	5	100	0
2	EE231	Business Studies	5	0	100
2	EE292	Electrical Engineering Science	5	80	20
2	EE303	Mobile Robotics	5	0	100
2	EE312	Object Orientated Program II	5	0	100
2	EE317	Computation/Simulation	5	40	60
2	EE319	Electromechanical Systems	5	90	10
2	EE403E	Semiconductor Devices	5	90	10

2	EE407E	Communications Theory	5	100	0
2	EE409E	Optical Communication Systems	5	80	20
2	EE411	Telecommunications System Design II		0	100
2	EE411E	Telecommunications System Design II	5	0	100
2	EE412	Telecommunications Project			
2	EE413	Electronic Engineering Project			
2	EE414E	Communications Networks		100	0
2	EE420E	European Beng/Meng Project			
2	EE425E	Image Processing & Analysis	5	75	25
2	EE435E	Digital Sound Processing	5	75	25
2	EE438E	Secure Sys Admin & Internetwork Security	5	0	100
2	EE490E	Intelligent Components and Systems		80	20
2	EE541	Nano & Microelectronic Devise Manufacturing	7.5	75	25
2	EE548	Internetwork Security	7.5	75	25
2	EE550	Characterisation Technology for Nano Materials	7.5	60	40
2	EE551	Intelligent Systems	7.5	75	25
2	EE552	Broadband Networks	7.5	75	25
2	EE557	Server-Side Development	7.5	75	25
2	EE558	Advanced RF Circuit Modelling	7.5	75	25
2	EE592	Electronic Systems Project (Completion August)	15	0	100
2	EE593	Telecommunications Eng Project Complete August	15	0	100
2	EF102	Introduction to Macroeconomics	5	95	5
2	EF209	Financial Management	5	100	0
2	EF308	Financial Evaluation and Forecasting	5	50	50
2	EF309	Risk Management	5	50	50
2	EN103	English Language Skills: e-portfolio approach	5	0	100
2	EN116	Advanced English (Reading & Writing)	10	100	0
2	EN305	Text and Context	5	0	100
2	EN321	Oral Skills Advanced	5	0	100
2	EN334	Anglo-Irish Literature 2: Drama & Poetry	5	0	100
2	FC002	Reading and Writing Skills	7.5	50	50
2	FN132	Bunus na nllmhean	5	0	100
2	FR104	French Language 2 (Intermediate)	5	0	100
2	FR106	French Language and Culture 2	15	60	40
2	FR116	French Language and Culture 4	10	70	30
2	FR128	French for Academic Purposes	5	0	100
2	FR140	French Language 4	5	50	50
2	FR248	French Language 4 (Intermediate)	5	0	100
2	FR267	French for Academic Purposes	5	100	0
2	FR268	French Language for Academic Purposes(Business)	5	0	100
2	FR368	French Language 6 (Intermediate)	5	0	100
2	FR402	Spec. Trans : Technical (French)	5	100	0
2	FR480	French Language 8	5	0	100
2	FR485	Advanced Written Skills:French	5	100	0
2	GE102	German Language 2 (Ab initio)	5	0	100
2	GE104	German Language 2 (Intermediate)	5	0	100
2	GE106	German Language and Culture 2	15	60	40
2	GE116	German Language and Culture 4	10	60	40
2	GE140	German Language 4	5	50	50
2	GE202	German Language 4 (Ab initio)	5	0	100
2	GE248	German Language 4 (Intermediate)	5	0	100
2	GE267	German for Academic Purposes	5	50	50
2	GE268	German for Academic Purposes (Business)	5	50	50
2	GE290	German Literature	5	100	0
2	GE368	German Language 6 (Intermediate)	5	0	100
2	GE402	Spec. Trans : Technical (German)	5	100	0
2	GE480	German Language 8	5	50	50
2	GE485	Advanced Written Skills:German	5	100	0
2	GE489	German for Science and Technology			
2	GE504	German Scientific/ Technical Translation	5	100	0
2	GE505	German Academic/ Literary Translation	5	100	0
2	HR118	Group & Social Behaviour in Organisations	5	0	100
2	HR120	Communications in Accountancy	5	0	100
2	HR303	Employee Development	5	80	20
2	HR307	Industrial Relations Issues	5	100	0
2	IS101	Information Systems - Foundations	5	100	0
2	IS302	Information Systems Management	5	100	0
2	JA106	Ab Initio Japanese Language 2	15	75	25
2	JA206	Japanese Language 4	5	75	25
2	JA207	Japanese Culture	5	0	100
2	JA242	Japanese Reading and Translation	5	100	0
2	JA402	Spec. Trans: Technical (Japanese)	5	100	0
2	JA412	Japanese Advanced Translation	5	100	0
2	JA420	Japanese Business and Marketing	5	0	100
2	JA480	Japanese Language 8	5	60	40
2	LC108	Ideology Politics and Culture in Europe	5	100	0
2	LC202	Global Culture and Internationalism	5	0	100
2	LC212	Textual Studies	5	100	0
2	LC407	Intercultural Business	5	0	100
2	LC409	Introduction to Chinese Language and Culture	5	0	100
2	LC410	Translation Theory	5	0	100
2	LC450	Bilateral/Consecutive Interpreting	5	0	100
2	LC477	Issues in Multiculturalism	5	0	100

2	LC478	Multilingualism	5	70	30
2	LG104	European Studies: Marx to Monnet	5	70	30
2	LG113	American Political System	5	50	50
2	LG118	Constitutional Law	5	70	30
2	LG120	Public International Law	5	70	30
2	LG121	Law of Contract	5	70	30
2	LG211	American Studies: America and the Wider World	5	0	100
2	LG220	Contemporary Politics of the Middle East and North Africa	5	70	30
2	LG302	Comparative European Politics	5	50	50
2	LG318	EU Law	5	70	30
2	LG507	Politics in Central and Eastern Europe	5	0	100
2	MG101	Introduction to Marketing	5	50	50
2	MG107	Market Research Statistics	5	70	30
2	MG204	Applied Market Research	5	50	50
2	MG206	Marketing on the Internet	5	60	40
2	MG301	Marketing Management	5	100	0
2	MG303	Business to Business Marketing	5	50	50
2	MG304	Services Marketing	5	40	60
2	MG308	Consumer Behaviour	5	80	20
2	MG325	Personal Selling and Sales Management	5		
2	MM102	Applied Mechanics 2	5	80	20
2	MM122	Integrative Studies Workshop 2	2.5	0	100
2	MM132	Thermo Fluid Mechanics	5	80	20
2	MM182	Engineering Computation 2	5	50	50
2	MM203	Mechanics of Machines 1	5	80	20
2	MM212	Strength of Materials II	5	80	20
2	MM214	Strength of Medical Devices and Biomaterials	5	80	20
2	MM226	Design & CAD/CAM	5	0	100
2	MM228	BioMechanics of Human Movement	5	70	30
2	MM232	Power Hydraulics and Pneumatics	2.5	50	50
2	MM271	Technology & Society	2.5	0	100
2	MM342	Mechatronic Workshop	5	0	100
2	MM343	Design & Manufacture Workshop	5	0	100
2	MM355	CAM	2.5	0	100
2	MM408E	Project Quality Management		80	20
2	MM409E	Adv. Eng. Materials & Manufacturing Processes		60	40
2	MM413E	Advanced Bio Materials & Processing Tech.	5	70	30
2	MM459E	Robotics & Applications	5	80	20
2	MM499E	Surgical Device Technology	5	70	30
2	MM511	Mechanics of Materials & Machines	5	80	20
2	MM521	Engineering Design and CAD	5	0	100
2	MM522	CAD/CAM Integration	7.5	70	30
2	MM526	Complex Structure Design Analysis	7.5	0	100
2	MM528	Designing for Dynamic & Impact Loading	7.5	70	30
2	MM529	Computer Aided Medical Device Design	7.5	50	50
2	MM532	Computational Thermo-Fluid Dynamics	7.5	50	50
2	MM542	Project (Masters) Completion August	15	0	100
2	MM551	Manufacturing Processes & Technology	5	80	20
2	MM557	Computer Aided Manufacturing	7.5	70	30
2	MS102	Analysis 2	5	75	25
2	MS104	Linear Algebra 2	7.5	75	25
2	MS206	Complex Analysis	5	75	25
2	MS208	Probability 2	5	75	25
2	MS210	Fourier Analysis	7.5	75	25
2	MS211	Introduction to Differential Equations	5	75	25
2	MS216	Mathematics of Finance:An Introduction	5	80	20
2	MS230	INTRODUCTION TO NUMERICAL METHODS FOR BIOTECHNOLOGY	5	100	0
2	MS408	Probability and Finance 2	7.5	75	25
2	MS408M	Probability and Finance 2	SM	75	25
2	MS413	Dynamical Systems in Economics	7.5	75	25
2	MS413M	Dynamical Systems in Economics	SM	75	25
2	MS428	Financial Economics 2	7.5	100	0
2	MS442	Life Contingencies II	7.5	100	0
2	MS502	Modelling with Partial Differential Equations	7.5	75	25
2	MS502M	Modelling with Partial Differential Equations	SM	75	25
2	MS505	Coding and Cryptography	7.5	75	25
2	MS505M	Coding and Cryptography	SM	75	25
2	MS551	Modelling and Simulation	7.5	70	30
2	MS551M	Modelling and Simulation	SM	70	30
2	MT103	Management/Business Game	5	70	30
2	MT302	Organisation Theory and Practice	5	100	0
2	NS270	Epidemiology	5	100	0
2	PS104E	Electricity and Magnetism	5	75	25
2	PS105	Thermal & Physical Properties of Matter	5	50	50
2	PS123E	PHYSICS FOR GENERAL SCIENCE 2	5	80	20
2	PS127E	Waves and Optics	5	80	20
2	PS202	Electromagnetism	5	70	30
2	PS204	SOLID STATE PHYSICS I	5	75	25
2	PS206	Electronics II	5	70	30
2	PS212	Medical and Health Physics	5	100	0
2	PS213	Space Science & Technology / PBL	5	70	30
2	PS405E	COMPUTATIONAL PHYSICS II	5	75	25
2	PS406E	PLASMA SCIENCE AND TECHNOLOGY	5	70	30

2	PS415E	APPLIED SPECTROSCOPY	7.5	80	20
2	SP102	Spanish Language 2 (Ab Initio)	5	100	0
2	SP106	Spanish Language and Culture 2	15	60	40
2	SP116	Spanish Language and Culture 4	10	60	40
2	SP140	Spanish Language 4 (Intermediate)	5	50	50
2	SP267	Spanish for Academic Purposes	5	50	50
2	SP268	Spanish for Academic Purposes (Business)	5	50	50
2	SP402	Spec. Trans : Technical (Spanish)	5	100	0
2	SP480	Spanish Language 8	5	50	50
2	SP485	Advanced Written Skills: Spanish	5	100	0
2	SP102	Spanish Language 2 (Ab Initio)	5	100	0
2	SS105	Health and Fitness 2: Theory and Practice	5	50	50
2	SS107	Motor Skills	5	40	60
2	SS109	Physiology for Health Sciences 2	5	30	70
2	SS111	Anatomy 2	10	60	40
2	SS206	Sport and Exercise Biomechanics 1	5	50	50
2	SS207	Sport & Exercise Physiology 2	2.5	30	70

N.B. The information on this list is subject to change.

Key

Block Code: 0 = Full year; 1 = Semester 1; 2 = Semester 2
Module Code: Unique Identifier for a course
Module Title: Course Title
Credits: DCU allocated ECTS Credits (5 ECTS Credits = 3 US Credits)
Exam: Percentage of Examination Component of a Course
CA: Percentage of Continuous Assessment of a Course

Restrictions

Even where it is indicated that a module is generally available, the following restrictions apply:

- All modules are subject to the running of a course
- Students must meet prerequisites for all modules they choose
- Some modules have limits on numbers and may not be available if oversubscribed
- Entry into some semester 2 modules requires that students have completed specific first-semester modules before registering for second-semester modules.

- Registration on all laboratory and project based chemistry modules must be checked first with the Chemistry Academic Exchange Co-ordinator via the Study Abroad Programme Coordinator
- Registration on all laboratory and project based Physics modules is restricted to Physics Exchange Students only
- **Postgraduate modules** (modules which start with a '5' in the subject code): postgraduate modules can only be chosen in exceptional circumstances (this does not apply to students who come as part of a postgraduate exchange arrangement) and only in cases where a student fully meets the prerequisites for a module. If a student intends to choose a postgraduate module, this must be discussed in detail with the Study Abroad Programme Coordinator