

SUSTAINABLE DEVELOPMENT GOALS



College of Environmental Sciences and Engineering – SDG Mapping 2020/21
Phase 1 – Preliminary Mapping
Completed by Dr Olga Golyshina

SNS (School of Natural Sciences) Undergraduate Modules

BNS-1002/ BNS-1004/ BSX-2019	BSX-1030/ BSX-1031/ BSC-1031	DNS-1003/ DXC-1000/ DXC-1004/ DXC-1007/ DXX-1000/ DXX-1002/ DXC-1303/ DXX-1007/ FXX-1005	BSC-1028/ BSX-1028/ DXX-1001/	DXX-1003/ DXX-1004/ DXC-1006/ DXX-1006	DXX-1005	BSX-2017/ BSX-2018/ BSX-2022/ BSX-2028/ BSX-2030/ BSX-2041/ BSX-2042/ BSX-2043	BSX-2021/ BSX-2031/ BSX-2032/ BSX-2033/ BSX-2035/ BSX-2036/ BSX-2037/ BSX-2038/ DXX-2000	BNC-2002 BNS-2002		BSS-2006/ BSS-2007	DXX-2001/ DXX-2002/ DXX-2003/ DXX-2006/ DXX-2007/ DXX-2008/ DXX-2009/ DXX-2010/ DXX-2011/ DXX-2017/ DXX-2021/ FXX-2105	DXX-2004	DXC-2014/ DXC-2018/ DXX-2012/ DXX-2014/ DXX-2015/ DXX-2016	BNS-3004/ BSX-3139/ BSX-3144/ 3145/ BSX-3148/ 3149/ BSX-3153/ BSX-3157/ BSX-3158/ BSX-3164/ BSX-3168	BSX-3142	BNS-3000/ BNS-3001/ BNS-3003/ BSX-3150/ BSX-3152	BSX-3154/ BSX-3159/ FXX-3503/ FXX-3506	BSX-3161/ DXX-3016/ DXC-3013/ DXC-3506/ DXX-3017/ DXX-3115/ DXX-3018/ DXX-3701/ DXX-3709/ BSC-3070/ BSC-3071/ BSS-3006/ BSX-3070/ BSX-3071/ DXX-3402/ DXC-3003/ DXX-3003/ DXC-3600/ DXC-3601/ DXC-3701/ DXC-3702/ DXX-3004/ DXX-3009/ DXX-3013/	BSX-3164 / BSX-3168	FXX-3116 / FXX-3201	FXX-3505/ FXX-3507/ FXX-3508/ FXX-3509/ FXX-3510	SNS-0001/ SNS-0002/ SNS-0003/ FXX-0010
------------------------------------	------------------------------------	--	-------------------------------------	---	----------	---	--	----------------------	--	-----------------------	---	----------	---	--	----------	--	---	--	---------------------------	---------------------------	--	---

																		DXX-3014/ DXX-3212/ DXX-3301/ DXX-3304/ DXX-3305/ DXX-3506/ DXX-3507/ DXX-3508/ DXX-3510/ DXX-3511/ DXX-3600/ DXX-3601/ DXX-3615/ DXX-3701/ DXX-3702/ DXX-3707/ DXX-3715/ DXX-3730/ DXX-3800/ DXX-3801/ DXX-3802					
1			x		x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
2	x		x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
3	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
5	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x

6	x		x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
7	x		x		x	x		x	x		x	x	x	x		x	x	x	x		x	x	x
8	x	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x
9	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
10	x		x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
11	x		x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
12	x		x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
13	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x		x
14	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
16	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
17	x	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x

SNS

Undergraduate Modules

BNS-1002 Organismal Diversity BNS-1004 Principles of Life 1 BSC-1028 Tiwtorialau Blwyddyn BSC-1031 Practical Skills BSX-1028 Tutorials Year 1 BSX-1030 Practical Skills 1 BSX-1031 Practical Skills 2 DNS-1003 Ecology & Evolution DXC-1000 Tiwt Acad & Sgiliau Allweddol DXC-1004 Cyflwyno Daearyddiaethau Dynol DXC-1007 Tiwt Acad.&Sgiliau Allweddol DXC-1006 Gwaith Maes: Creu Eryri DXC-1303 Methodoleg Maes DXX-1000 Academic Tutorials & Key Skills DXX-1001 Ecosystem Function & Services DXX-1002 Environmental Management & Conservation	BNS-3000 Wildlife Ecology & Conservation BNS-3001 Freshwater Ecosystems BNS-3003 Freshwater Ecosystems 2 BNS-3004 Advances in Behaviour BSC-3070 Traethawd Hir BSC-3071 Sgiliau Gwyddoniaeth a Gwaith BSS-3006 International Experience BSX-3070 Dissertation in Biological Sciences BSX-3071 Science & Employability Skills BSX-3139 Molecular Ecology & Evolution BSX-3142 Environmental Microbiology and Biotechnology BSX-3144 Animal Surviving Strategies BSX-3145 Fish Physiology BSX-3148 Developmental Biology BSX-3149 Animal Ethics and Welfare BSX-3150 Life in Changing Climate
---	--

<p>DXX-1003 Forestry in 21 Century DXX-1004 Introducing Human Geographies DXX-1005 Earth Systems and Processes DXX-1006 Intro Fieldwork: Snowdonia DXX-1007 Academic Tutorials&Key Skills FXX-1005 Chemistry in Biology and Environment</p> <p>BNC-2002 Esblygiad a Geneteg BNS-2002 Ecology and Genetics BSS-2006 International Experience BSS-2007 International Experience BSX-2017 Invertebrates BSX-2018 Behavioural Ecology BSX-2019 Principles of Life 2 BSX-2021 BioScience Skills BSX-2022 Vertebrate Biology BSX-2028 Introduction to Herpetology BSX-2030 Integrated Zoology BSX-2031 Arizona Field Course BSX-2032 India Field Course BSX-2033 Primatology Field Course BSX-2035 Local Field Course BSX-2036 Florida 2 Field Course BSX-2037 Spain Field Course BSX-2038 Siberia Field Course BSX-2041 Introduction to Ornithology BSX-2042 Introduction to Primatology BSX-2043 Animal Management DXC-2014 Daearyddiaeth Awyr Agored DXC-2018 Geomorffoleg Afonol</p>	<p>BSX-3152 Life in Wetlands BSX-3153 Primatology BSX-3154 Attack and Defence in Plants BSX-3157 Ornithology BSX-3158 Advances in Herpetology BSX-3159 Parasites and Pathogens BSX-3164 Animal Management BSX-3168 Adv in Animal Management DXX-3004 Settlement Systems DXX-3009 Professional Placement DXX-3013 Current Issues in Human Geography DXX-3014 Current Issues in Human Geography DXX-3016 Forest Ecosystems and Services DXX-3017 Governing Society & Environment DXX-3018 Rivers, Coast & Oceans DXX-3020 Environmental Geochemistry DXX-3115 Advanced GIS & Remote Sensing DXX-3212 Forest Ecosystems DXX-3301 Forest Ecology DXX-3304 Tropical Conservation field corse DXX-3305 Field course: Tenerife DXX-3402 Waste Management & Utilisation DXX-3506 Current Issues in Environmental & Related Sciences DXX-3507 Renewable Energy DXX-3508 Environmental Issues DXX-3510 Advances in Conservation, Sem 1 DXX-3511 Advances in Conservation, Sem 2 DXC-3702 Cynllun Rheoli DXC-3600 Food Geographies DXC-3601 Food & Drink Geographies & Inn</p>
---	--

<p>DXX-2000 Geographical Information Systems & Research Methods DXX-2001 Sustainable Development DXX-2002 Water, Air & Soil Pollution DXX-2003 Principles of Conservation DXX-2004 Silviculture & Inventory DXX-2006 Climate Change: Science and Impact DXX-2007 People, Space & Identity DXX-2008 Geohazards DXX-2009 Conservation Practice DXX-2010 Forest and Woodland Management DXX-2011 Catchment Processes DXX-2012 Field Course: ACE DXX-2014 Geography Outdoors DXX-2015 Geography Fieldwork and Research Skills DXX-2016 Field Course: Forestry DXX-2017 Forest Health DXX-2021 Plant Diversity & Conservation FXX-2105 Industrial and Analytical Methods non-Chemists</p> <p>BSX-3161 Human Evolutionary Biology BSX-3167 Insect Behaviour & Evolution BSX-3168 Advances in Animal Management DXC-3003 Gwaith Maes: Barcelona DXC-3013 Daearyddiaeth Ddynol Gyfoes DXC-3506 Materion Cyfoes yr Amgylchedd DXC-3701 Project Anrhydedd DXX-3003 Field Course: Barcelona</p>	<p>DXX- 3600 Food Geographies DXX-3601 Food Geography: Entrep & Innovations DXX-3615 Environmental Policy DXX-3701 Honours Project DXX-3702 Management plan DXX-3707 Catchment Modelling & Analysis DXX-3709 Using Geographical Data DXX-3715 International Experience DXX-3730 International Experience DXX-3800 Living w our Changing Climate DXX-3801 Human Aspects of Conservation DXX-3802 Land Use Change & Conservation FXX-3116 Project-Quadruple Module FXX-3201 Separation Science FXX-3503 Research Skills FXX-3505 Organomet. Chem & Catalysis FXX-3506 General Skills FXX-3507 Advanced Physical Chemistry FXX-3508 Core Physical Chem Concepts FXX-3509 Advanced Organ and Inorgan Chemistry FXX-3510 Core Organic Chemical Concepts</p> <p>SNS-0001 Foundation Year Project SNS-0002 Foundation Year Chemistry SNS-0003 Essential Biology FXX-0010 Essential Chemistry</p>
--	--

SNS Postgraduate Modules

	BSM 4101/ BSM 4103/ BSM-4105	BSM 4104/ BSM 4121/ BSM 4124	BSM 4126	DDL-4003/ DDL-4004	DDL-4012/ DDL-4201/ DDL-4202/ DDL-4204/ DDL-4205/ DDL-4206/ DDL-4207 DDL-4545	BSM-4000/ BSM-4110/ BSM-4125	DXX-4013/ DXX-4016/ DXX -4042 DXX -4100/ DXX -4101/ DXX-4102/ DXX -4103/ DXX -4104	DXX-4501/ DXX-4505/ DXX-4509/ DXX-4510/ DXX-4513/ DXX-4514/ DXX-4515/ DXX-4524/ DXX-4525 DXX-4527/ DXX-4535/ DXX-4599/ DXC-4999	DXX-4517/ DXX-4518/ DXX-4519/ DXX-4530/ DXX-4531/ DXX-4532/ DXX-4533/ DXX-4534/ DXX-4536/ DXX-4538/ DXX-9000/ DXX-9006/ DXX-9007/ DXX-9008/ DXX-9015/ DXX-9030	FXX-4113/ FXX-4501/ FXX-4502/ FXX-4503/ FXX-4505/ FXX-4507/ FXX-4599/ FXX-9000/ FXX-9666/ FXX-9777/ FXX-9778/ FXX-9802
1	x	x	x	x	x	x	x	x	x	x
2	x	x	x	x	x	x	x	x	x	x
3	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	x	x
5	x	x	x	x	x	x	x	x	x	x
6	x	x	x	x	x	x	x	x	x	x
7	x			x	x	x	x	x	x	x
8	x	x	x	x	x	x	x	x	x	x
9	x	x	x	x	x	x	x	x	x	x
10	x	x	x	x	x	x	x	x	x	x
11	x	x	x	x	x	x	x	x	x	x
12	x	x	x	x	x	x	x	x	x	x
13	x	x	x	x	x	x	x	x	x	x
14	x	x	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x	x	x
16	x	x	x	x	x	x	x	x	x	x
17	x	x	x	x	x	x	x	x	x	x

SNS Postgraduate Modules

BSM 4000 Master Research Project	DXX-4515 Contemporary Forestry
BSM-4101 Marine Biotechnology	DXX-4517 Forest Ecology and Resources
BSM-4103 Plant Biotechnology	DXX-4518 Business Planning for Green Economy
BSM 4104 Techniques of Molecular Biology & Biotechnology	DXX-4519 Location Specific Knowledge
BSM-4105 Environmental & Industrial Biotechnology	DXX-4524 Strategic Environmental Management
BSM 4110 Research Project	DXX-4525 Green Technologies
BSM-4121 Bioinformatical Analysis Tool	DXX-4527 Research Planning & Communication
BSM-4124 Recombinant Protein Expression	DXX-4530 Forest Management Planning
BSM 4125 Project Preparation	DXX-4531 Botanical Ecology & Ecosystem
BSM-4126 Environmental Genomics	DXX-4532 Forestry Field Course
DDL-4003 Forest History, Policy & Mgt	DXX-4533 Conservation Field Course
DDI-4004 Agroforestry Systems & Prac.	DXX-4534 Conservation Research Methods
DDL-4012 Carbon Footprinting & LCA	DXX-4535 Research Methods & Communication
DDL-4201 Social Issues in Forest Mgt.	DXX-4536 Urban Forestry
DDL-4202 Silviculture	DXX-4538 Ireland Study Tour
DDL-4204 Forest Ecosystems	DXX-4599 MSc Dissertation
DDL-4205 Inv., Assessment & Monitoring	FXX-4113 Advanced Chemical Techniques
DDL-4206 Sustainable Use of NTFPs	FXX-4501 Adv Topics in Organic Chemistry
DDL-4207 Global Food security	FXX-4502 Adv Topics in Physical Chemistry
DDL-4545 Tropical Forestry Study Tour	FXX-4503 Adv Topics in Inorganic Chemistry
DDL-4999 MSc Dissertation	FXX-4505 Web based Literature Review
DDX-4016 Conservation science	FXX-4507 Practical Project (MChem)
DXC-4999 Traethawd Hir	FXX-4999 Laboratory Health & Safety
DXX-4013 Management planning	DXX-9000 Professional Placement
DXX-4042 Agriculture & the environment	DXX-9006 International Experience
DXX-4100 Professional Placement	DXX-9007 Professional Placement
DXX-4101 M.Env.Science Dissertation	

DXX-4102 Professional Placement DXX-4103 MGeog Dissertation DXX-4104 Geog Thought DXX-4501 Erasmus Mundus Summer Module DXX-4505 Natural Resource Management DXX-4509 Sutrofor (ECTS) DXX-4510 Sufonama (ESTS) DXX-4513 Sutrofor (ECTS) DXX-4514 Sutrofor (ECTS)	DXX-9008 International Experience DXX-9015 International Experience DXX-9030 International Experience FXX-9000 Industrial Placement one year FXX-9666 Intl Exp module summer L4 FXX-9777 Intl Exp module summer L6 FXX-9778 Intl Exp module one year L6 FXX-9802 Erasmus placement semester 2
--	--

SOS (School of Ocean Sciences) Undergraduate Modules

	OSC 1000/OSX 1000/OSX 2002/ OSX 2022	OSX 3006/ OSX 3010	OSX 2002/ OSX 2003/ OSX 3014/ OSX 3020/ OSX 3020/ OSX 3023	OSX 1001/ OSX 1003/ OSX 1005/ OSX 1006/ OSX 1007/ OSX 2007/ OSX 2009/ OSX 2011	OSX 2005	OSX 3011	OSX 2004/ OSX 2006	OSX 3001/ OSX 3002/ OSX 3005/ OSX 3007/ OSX 3008/ OSX 3013/ OSX 3015	OSX 3016/ OSX 3017/ OSX 3018/ OSX 3019/ OSX 3021/ OSX 3025	OSF 0101/ OSF 0102/ OSF 0103/ OSF 0104
1		x	x	x	x			x	x	x
2		x	x	x	x			x	x	x
3	x	x	x	x	x	x	x	x	x	x
4	x	x	x	x	x	x	x	x	x	x
5	x	x	x	x	x	x	x	x	x	x
6		x	x	x	x	x	x	x	x	x
7				x	x	x		x	x	x
8		x	x	x	x	x	x	x	x	x
9	x		x	x	x	x	x	x	x	x
10			x	x	x	x	x	x	x	x
11		x	x	x	x	x	x	x	x	x
12		x	x	x	x	x	x	x	x	x
13	x	x	x	x	x	x	x	x	x	x
14	x	x	x	x	x	x	x	x	x	x
15	x	x	x	x	x	x	x	x	x	x
16	x	x	x	x	x	x	x	x	x	x
17	x	x	x	x	x	x	x	x	x	x

SOS Undergraduate Modules

<p>OSC-1000 Tiwtorial Sgiliau Gwyddoniaeth</p> <p>OSX-1000 Science Skills Tutorial</p> <p>ONC-1001 Dadansoddi Data Amgylcheddol</p> <p>ONS-1001 Environmental data & analysis</p> <p>OSX-1002 Marine Biology Practical 1</p> <p>OSX-1003 Earth, Climate & Evolution</p> <p>OSX-1005 Fundamentals of Oceanography</p> <p>OSX-1006 Anglesey Geology Field Course</p> <p>OSX-1007 Marine Biogeochemistry</p> <p>OSX-2000 Communicating Science</p> <p>OSX-2002 Marine Physiology & Behaviour</p> <p>OSX-2003 Marine Biology Practical II</p> <p>OSX-2004 Estuary & Shelf Sea Processes</p> <p>OSX-2005 Remote Sensing & Geophysics</p> <p>OSX-2006 Tides, Waves and Marine Energy</p> <p>OSX-2007 Ship-based field course</p> <p>OSX-2009 Marine Ecology</p> <p>OSX-2011 Ice and Oceans</p> <p>OSF-0101 Communication and IT Skills</p> <p>OSF-0102 Essential Physics</p> <p>OSF-0103 Essential Geoscience</p> <p>OSF-0104 Foundation Year Project</p>	<p>OSX-3001 Marine Conservation & Exploit</p> <p>OSX-3002 Marine Ecosystems & Processes</p> <p>OSX-3005 Marine Pollution</p> <p>OSX-3006 Sediment Dynamics</p> <p>OSX-3007 Coastal Processes Field Study</p> <p>OSX-3008 Marine Sediment Environments</p> <p>OSX-3010 Marine Mammal Observation</p> <p>OSX-3011 Extreme Marine Habitats</p> <p>OSX-3013 Intertidal Field Project</p> <p>OSX-3014 Larval Ecology</p> <p>OSX-3015 Overseas Field Course VIMS USA</p> <p>OSX-3016 Ocean Modelling</p> <p>OSX-3017 Applied Geophysics</p> <p>OSX-3018 Numerical Methods</p> <p>OSX-3019 Fish Biology and Ecology</p> <p>OSX-3020 Sharks and their Relatives</p> <p>OSX-3021 Oceans, Atmosphere and Climate</p> <p>OSX-3022 Communicating Science SOU</p> <p>OSX-3023 Marine Mammal Science</p> <p>OSX-3025 Marine Geology & Applications</p>
---	--

SOS Postgraduate Modules

	OSX 4001/ OSX 4005/ OSX 4007	OSX 4014/ OSX 4021	OSX 4000/ OSX 4002/ OSX 4004/ OSX 4006/ OSX 4008/ OSX 4009/ OSX 4010	OSX 4011/ OSX 4012/ OSX 4013/ OSX 4015/ OSX 4016	OSX 4020/ OSX 4021/ OSX 4022/ OSX 4023	OSX 4401/ OSX 4404/ OSX 4405/ OSX 4406/ OSX 4407/ OSX 9001
1	x		x	x	x	x
2	x		x	x	x	x
3	x	x	x	x	x	x
4	x	x	x	x	x	x
5	x	x	x	x	x	x
6	x	x	x	x	x	x
7		x	x	x	x	x
8	x	x	x	x	x	x
9	x	x	x	x	x	x
10	x	x	x	x	x	x
11	x	x	x	x	x	x
12	x	x	x	x	x	x
13	x	x	x	x	x	x
14	x	x	x	x	x	x
15	x	x	x	x	x	x
16	x	x	x	x	x	x
17	x	x	x	x	x	x

SOS Postgraduate Modules

OSX-4000 Marine Ecology Skills	OSX-4014 Geophysical Fluid Dynamics
OSX-4001 Marine Fisheries	OSX-4015 Climate and Climate Change
OSX-4002 Habitat Ecology/Coastal Survey	OSX-4016 Literature Review-Project Plan
OSX-4004 Environmental Impact Assessment	OSX-4020 Geophysical Surveying
OSX-4005 Marine Vertebrates	OSX-4021 Sediment Geotechnics
OSX-4006 Conservation/Coast Management	OSX-4022 Sedimentary Environments
OSX-4007 Marine Invertebrates	OSX-4023 Marine Renewable Energy
OSX-4008 Research Design & Planning	OSX-4401 Research Preparation
OSX-4009 Research Project /Dissertation	OSX-4404 Perspectives in Marine Science
OSX-4010 Key Concepts and Techniques	OSX-4405 Research Project Investigation
OSX-4011 Practical Oceanography-AMG	OSX-4406 M Ocean Research Project
OSX-4012 Practical Oceanography-PO	OSX-4407 Practical High-Res Geophysics
OSX-4013 Estuaries and Shelf Processes	OSX-9001 International Experience

CSEE (School of Computer Science and Electronic Engineering) Undergraduate Modules

ICE 0101/ ICE	ICE 0201/ ICE	ICE 1001/ ICE	ICE 1401/ ICE	ICE 1800/ ICE	ICE 2001 /	ICE 2331/ ICL	ICE 2701/ ICC	ICE 2801	ICE 3009 /ICE	ICE 3101/ ICL	ICE 3111/ ICE	ICL 1001/ ICL	ICL 1006/ ICL	ICL 1015	ICL 1016	ICL 2001	ICL 2004	ICL 2018/ ICL	ICL 3004	ICL 2021 / ICL 3006	ICL 3009	SNS- ICL 3102
0102/ ICE	1411/ ICE	2002/ ICC	2101/ ICE	1801/ ICE	ICL 3012	3010/ ICP	2701/ ICE		3011 /	3003/ ICP	3122	2015/ ICL	1011/ ICL									
0202/ ICE	1601/ ICE	2002/ ICE	2102/ ICE	2003/ ICC	ICL 2016	3099/ IEW	3001/ ICE		3011 /	3042		3403/ ICP	1012/ ICL									
1101/ ICE	2902	3901/ ICL	2301/ ICE	2003/ ICE	/	3099	3002/ ICL		3064			3011	1013/ ICL									
1112/ ICC		1005/ ICL	2401/ ICE	2103/ ICE	14/ ICP		2019/ ICL						1201/ ICL									
1112/ ICE		1008/ ICL	2601/ ICE	2111/ ICE	3025 /		3103						2002/ ICL									
0101 ICE		2006	3401/ ICE	3303/ ICE	ICP30 27/ ICP								2005/ ICL									
1121/ ICC			3601/ ICE	3304/ ICE	3029								2008/ ICL									
1221/ ICE			4601/ ICP	3904/ ICE	/								2012/ ICL									
1211/ ICE			3011	3903/ ICL	3033 /								2013/ ICL									
1212/ ISE				3010	ICP 3046								2017/ ICL									
1301/ ICC													3007/ ICL									
1301/ ISE													3008/ ICL									
1302/ ICC													3402/ ICP									
1302/ ISE													3123									
1501/ ISE																						
1521/ ICE																						
2201/ ICE																						
2211/ ICC																						
2211/ ICE23																						
11/ ICE																						
2312/ ICE																						
2321/ ICE																						
2501/ ICE																						

ICC																						
2501/ ICE																						
2702/ ICE																						
3121/ ICE																						
3212/ ICE																						
3301/ ICE																						
3302/ ICE																						
3311/ ICC																						
3311/ ICE																						
3321/ ICE																						
3411/ ICE																						
3501/ ICE																						
3701/ ICE																						
3702/ ICE																						
3703/ ICE																						
3801/ ICE																						
3902/ ICE																						
3905/ ICL																						
1002/ ICL																						
1003/ ICL																						
1004/ ICL																						
1006/ ICL																						
1007/ ICL																						
1009/ ICL																						
1010/ ICL																						
1014/ ICL																						
1017/ ICL																						

1						x																	
2						x																	
3			x		x	x	x	x		x		x			x	x			x			x	
4	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6						x																x	
7						x																	
8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10		x		x		x				x							x				x		
11		x		x	x	x		x	x	x	x						x	x		x	x	x	
12						x				x	x		x		x	x	x	x	x			x	x
13						x																	
14						x																x	
15						x										x						x	
16			x	x		x		x	x	x			x	x		x	x					x	x
17						x				x										x		x	

CSEE Undergraduate Modules

ICC-1112 Cyfl i Systemau Mewnblanedig ICC-1221 Math ar gyfer Cyfrifiadureg ICC-1301 Egwyddorion Trydan ac Electron ICC-1302 Dylunio Cylchedau ICC-2002 Prosiectau Diwydiannol ICC-2003 Prosiect Tîm Electroneg ICC-2211 Dulliau Math a Systemau Llinol ICC-2501 Prototeipio a Ffabrigo	ICE-1221 Mathematics for Computing ICE-1301 Electrical & Electronic Princi ICE-1302 Circuit Design (inc. Digital L ICE-1401 Networking Theory and Practice ICE-1411 Web Technologies ICE-1501 Computer Architecture & OS ICE-1521 UNIX ICE-1601 Database Systems
---	---

<p>ICC-2701 DA a Dylunio Gemau ICC-3001 Prosiect Unigol ICC-3011 Rheoli Ansawdd ICC-3311 Systemau Mewnblanedig ICE-0101 Essential Mathematics ICE-0102 Further Mathematics ICE-0201 Essential Computer Science ICE-0202 Foundation Year Project ICE-1001 Professional Perspectives ICE-1101 Object Oriented Programming ICE-1111 Imperative Programming Foundat ICE-1112 Intro to Embedded Systems ICE-1121 Python Programming ICE-1211 Engineering Mathematics ICE-1212 Foundation Engineering Maths ICE-2501 Prototyping and Fabrication ICE-2601 Data Systems, Management & Eth ICE-2701 AI & Game Design</p> <p>ICE-2702 Applied Data Science Python ICE-2801 System Admin & Mainte ICE-2902 Design, Art, Creativity & Story ICE-3001 Individual Project ICE-3009 Civic Computing Intervention ICE-3011 Quality Management ICE-3101 Software Engineering ICE-3111 Computer Vision ICE-3121 Creative Visualisation ICE-3122 Information Visualisation ICE-3212 Data Structures in Application</p>	<p>ICE-1800 Game Studies ICE-1801 Game Design 1 ICE-2001 Sustainable Project Plan & Mgt ICE-2002 Industrial Projects ICE-2003 Electronics Team Project ICE-2101 Business & Enterprise Prog ICE-2102 Application Development ICE-2103 User Experience (UX) & HCI ICE-2111 Embedded Systems ICE-2201 Data Structures & Algorithms ICE-2211 Math Methods & Linear Syst ICE-2301 VLSI & Digital Circuits ICE-2311 Microelectronics ICE-2312 Microelectronics&Nanophotonics ICE-2321 Analog Circuit Design & Comms ICE-2331 Electrical Machines ICE-2401 Computer Systems & Networks ICE-3401 Computer & Network Security ICE-3411 Data Networks & Communications ICE-3501 Internet of Things ICE-3601 Advanced Data Management ICE-3701 Machine Learning ICE-3002 Research Methods ICE-3702 Advanced Game Development ICE-3703 Advanced Machine Learning ICE-3801 Systems & Design Thinking ICE-3901 Summer Placement ICE-3902 Industry Placement Year ICE-3903 Enterprise by Design ICE-3904 International Experience</p>
---	---

<p>ICE-3301 Signal Processing & Tranducers ICE-3302 Electromagnetics ICE-3303 Microwave Engineering ICE-3304 Optical Comms & Systems ICE-3311 Embedded Systems ICE-3321 Control Systems</p> <p>ICL-1001 Digital Graphics Fundamentals ICL-2007 Proj Management for Comp Prof ICL-2008 Data Ethics ICL-2009 Data Structures & Algorithms ICL-2010 Intro to Data Analytics ICL-2011 Vis & Graphical Algorithms ICL-2012 Web Servers & Authentication ICL-2013 Connecting Networks ICL-2014 Scaling Networks ICL-2015 Engineering Man Techniques ICL-2016 Automation & Robotics ICL-2017 Computer Aided Design & Anal ICL-2018 Engineering Maintenance (WB) ICL-2019 Prof Reflection & Develop (WB) ICL-2020 Adv Comp Aided Manufacture ICL-2021 Proj Management for Comp Prof ICL-3001 Advanced Programming ICL-3002 Software Engineering ICL-3003 Software Prototyping Study ICL-3004 Production Software Development ICL-3005 WBP-Data Processing & AI ICL-3006 WBP-Design& Impl Visualisation ICL-3007 WBP-PESTLE (inc. GDPR)</p>	<p>ICE-3905 International Experience</p> <p>ICL-1002 Computer Systems ICL-1003 Create/Manage Accessible Webs ICL-1004 Database Design and Management ICL-1005 Designing Accessible Websites ICL-1006 Employability Based Learning 1 ICL-1007 Introduction to Programming ICL-1008 Research and Study Skills ICL-1009 Mathematics for Computing ICL-1010 Digital Graphics (JS Canvas) ICL-1011 Introduction to Networks ICL-1012 Local Area Network Essentials ICL-1013 Security & Data Ethics (UNIX) ICL-1014 Engineering Design ICL-1015 Engineering Materials ICL-1016 H & S in Engineering (WB) ICL-1017 Mechanical Eng Principles ICL-1201 Data Modelling ICL-2001 Designing Mobile Technology ICL-2002 Object Oriented Programming ICL-2003 Ethical Computing ICL-2004 Emerging Computing Technologies ICL-2005 Employability Based Learning 2 ICP-3123 Internet Tech for E-Commerce ICP-3011 Computer & Network Security ICP-3025 Apps Artificial Intelligence ICP-3027 Databases - Design & Implement ICP-3029 Networks & Distributed Systems ICP-3033 Operating Systems & Networks</p>
---	---

<p>ICL-3008 WBP-Advanced Security Solution ICL-2006 Research Methods & Study Skill ICL-2007 Proj Management for Comp Prof ICL-3009 Sustainable Manufacturing Man ICL-3010 Engineering Project (WB) ICL-3011 Power Engineering ICL-3012 Sustainable Renewable Energy ICL-3013 Industrial Engineering ICL-3014 Apps of CNC Machines ICL-3102 Business & Enterprise Programm ICL-3103 User Experience (UX) & HCI ICL-3402 Mathematics for Cryptography ICL-3403 Penetration Testing</p> <p>ICM-3004 Signal Processing ICM-3008 Electromagnetics ICM-3012 Information & Coding - Comms ICM-3014 Optical Communication</p>	<p>ICP-3033 Operating Systems & Networks ICP-3036 Computer Graphics 3 Rendering ICP-3038 Computer Vision (20cr) ICP-3042 New Technologies ICP-3046 Web-Based Applications ICP-3083 Pattn Recogn & Neural Networks ICP-3099 Individual Project-Computing ICP-3123 Internet Tech for E-Commerce</p> <p>IED-3064 Business Process Reengineering IED-3098 MEng Individual Project IED-3099 Individual Project-Engineering</p> <p>IES-3002 Microelectronics 3 IES-3005 Microwave System Design Tech IES-3006 Control Systems</p> <p>IEW-3099 Prosiect Unigol Electroneg</p>
--	---

CSEE Postgraduate Modules

	ICE 4101/ ICE 4121/ ICE 4131/ ICE 4201/ ICE 4211/ ICE 4502/ ICC 4502/ ICE 4701/ ICE 4702/ ICE 4711/ ICE 4721	ICE 4001/ ICE 4002/ ICC 4002/ ICE 4003/ ICE 4004/ ICE 4005/ ICE 4006/ ICE 4007/ ICE 4311/ ICC 4311/ ICE 4732/ ICC 4732/ IES 4107	ICE 4312/ ICE 4321/ ICE 4322/	ICE 4141/ ICE 4323/ IEW 4066	ICE 4301/ ICE 4331/ ICE 4414/ ICE 4415/	ICE 4416/ ICE 4611	ICP 4029	ICE 4111	ICE 4421/ ICE 4601/ ICE 4411/ ICE 4412/ ICE 4413/ ICE 4611
1									X
2									X
3		X		X					X
4	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X
6									X
7									X
8	X	X	X	X	X	X	X	X	X
9	X	X	X	X	X	X	X	X	X
10							X	X	X
11			X	X	X	X		X	X
12				X	X				X
13									X
14									X
15									X
16		X				X	X	X	X
17									X

<p>ICC-4002 Prosiect Tîm MEng ICC-4311 Rheolwyr Rhesymeg Rhaglenadwy ICC-4502 Prototeipio a Ffabrigo ICC-4732 DA a Dylunio Gemau</p> <p>ICE-4001 MSc Individual Project ICE-4002 MEng Team Project ICE-4003 Research Methods & Study Skill ICE-4004 MComp Team Project ICE-4005 MSc Generalist Mini-project ICE-4006 Data Science Experiments ICE-4007 MRes Individual Project ICE-4101 Introduction to Programming ICE-4111 Web Technologies ICE-4121 Information Visualisation ICE-4131 High Performance Computing ICE-4201 Data Structure Algorithm Theory ICE-4421 Computer & Network Security ICE-4502 Prototyping and Fabrication ICE-4601 Ethics, Data & Security ICE-4211 Intro to Mach Learning & Anal ICE-4221 Enterprise Design & Modelling ICE-4301 Advanced Sensor Systems ICE-4311 Programmable Logic Controllers</p>	<p>ICE-4312 Advanced Control Systems ICE-4321 Nano-Elec & High-Speed Design ICE-4322 Laser Fabrication ICE-4323 Microengineering ICE-4331 Embedded Systems ICE-4411 Broadband Comms Systems ICE-4412 Data Networks and Comms ICE-4413 Mobile Communications Systems ICE-4414 RF & Optical MEMS ICE-4415 Advanced Optical Communication ICE-4611 Database Systems ICE-4701 Advanced Machine Learning ICE-4702 Machine Learning ICE-4711 XReality ICE-4721 Natural Language Processing ICE-4732 AI & Game Design</p> <p>ICP-4029 Data Networks & Communications</p> <p>IED-4066 Quality, Value & TQM</p> <p>IES-4107 RF and Optical MEMS</p>
--	---