

Code	Module	Semester	Date of activity	Activity	No. of Demonstrators Required	Number of Hours per Demonstrator	Knowledge/skills required	Responsible member of staff
S1	DXX1001	2	TBC	Fieldtrips to Cor E. wetland and Henfaes Ffridd for soils, marking diagrams	3	8	Wetlands, forests, ecosystem services, soils, plant physiology, biogeochemical cycling	Andy Smith
S2	DXX1001	2	New week 30 (TBC)	Plant ecophysiology practical and marking diagrams	2	8	Plant physiology	Katherine Steele/Lars
S3	DXX1002	1	Week 8 or 9 (TBC)	Fieldtrip demonstrating: Environmental economics field trip, prob to Aber falls (trip run twice)	1-2, depends on numbers	2 x 4	Basic knowledge of environmental economics (cost-benefit analysis/discounting) preferred, but failing that knowledge of land use policies	Neal Hockley
S4	DXX1002	1	Week 5	Field demonstrating: need person with plant id skills and knowledge of the site to accompany trip to Cwm Idwal.	1	5 x 2	Plant ID experience and knowledge of the plant ecology of the site for demonstrator.	Julia Jones
S5	DXX1004	1	Week 7 TBC	CAT and Machynlleth Field trip	depends on numbers	8	Awareness of key concepts in Human Geography	Eifiona Thomas-Lane
S6	DXX1005	1	03/10/2017	Lab Prac demonstrating: worksheet-based activities focusing on topics inc. geosphere, tides, weathering and hypsometric curves	2	4	General knowledge of the following topics: weathering, geosphere, feedback loops, temporal scales	Graham Bird
S7	DXX1006	1	Week 10	Fieldtrip demonstrating + marking written work - Gwydyr Forest field trip demonstrating (Tuesday-Friday), Coed Meurig Monday:	2	45	Familiar with plantation forestry, tree physiology, forest soils, ecosystem services.	James Walmsley
S8	DXX1006	1	Week 10	Field trip demonstrating Cwm Idwal visit (Tues-Friday)	2	32	Glacial and Geomorphology knowledge. First aid qualification.	Lynda Yorke
S9	DXX1006	1	Week 10 (30/10/2017)	Fieldtrip demonstrating & marking written work: conservation-specific day.	1	7	Bird ID (from calls) & expert with knowledge of newborough and involved in local management	Julia Jones
S10	DXX1006	1	Week 10	Fieldtrip demonstrating at Aber Valley	2	32	Habitat identification skills / Welsh language	Ian Harris
S11	DXX1006	1	Week 10	Arllechwedd field trip (Tues-Friday) practical demonstrating and marking	2	45	Woody plant identificaton, basic knowledge of Welsh landscape history and woodland dynamics, walking up and down moderately steep slopes safely; first aid skills desirable.	John Healey
S12	DXC2018	1	Weeks 5 - 16	Occasional support (depending on the timetable) to support student learning when the timetable doesn't work for the Bangor student	1	8	Welsh speaker	Paula Roberts
S13	DXX2000	1	Weeks 6-9	Computing Lab ArcGIS practicals. 4 weeks of 2 hour practicals, but these are repeated 4 times.	1	2 x 4 x 4	Requires a competent ArcGIS practitioner.	Ian Harris
S14	DXX2000	1	Week 13	Computing Lab SPSS practicals 2 hour sessions, repeated 4 times.	1	2 x 4	Demonstrator should be competent with SPSS	Ian Harris
S15	DXX2000	2	TBC	Demonstrator in field during data gathering and another in Henfaes lab.	2	4	Field data gathering exercise using agroforestry plots, for subsequent analyses (classical stats and geostats)	Ian Harris
S16	DXX2001	1 and 2	TBC	Field Visits 1. Dref Werdd 2. Clwydian Hills/Llyn AonB	no. dependent	2 x 8	Awareness of key concepts in Human Geography	Eifiona Thomas-Lane
S17	DXX2003	1	29 & 30/9/2017	Field visits to RSPB Conwy and one other site TBC	3	4	None	Paul Cross
S18	DXX2004	1	15 & 17/11/2017	Field Visits to Treborth and Gaerwen	3	4	None	Paul Cross
S19	DXX2007	2	TBC	Surveying and interview demonstration in situ - bilingual experienced socio-econ research	1	8	Awareness of key concepts in Human Geography	Eifiona Thomas-Lane
S20	DXX2009	2	TBC	Computer Prac demonstrating: mark and recapture prac (NB runs twice)	2	4 x 2	comfortable with mark and recapture models and manipulating data in Excel	Julia Jones
S21	DXX2009	2	TBC	Field trip demonstrating: at colwyn bay zoo on chimp behaviour (NB runs twice)	1	4 x 2	Familiar with ethograms and conducting behaviour studies	Julia Jones
S22	DXX2009	2	Week 27 or 28	Marking: written work (Conservation practical report).	1	15	Good understanding of standards of writing up field-based practicals (presentation of data, use of literature etc)	Julia Jones
S23	DXX2009	2	Week 26 or 27	Field trip demonstrating: bird surveys at lavan sands(NB runs twice)	1	4 x 2	Demonstrator must be familiar with identifying wading birds.	Julia Jones
S24	DXX2009	2	Week 27 or 28	Marking: written work (Conservation practical report).	1	15	Good understanding of standards of writing up field-based practicals (presentation of data, use of literature etc)	Julia Jones
S25	DXX2009	1	Week 27	Field trip demonstrating: visit to learn practice of management planning	1	4 x 2	Demonstrator just needs general field skills. Expert is Mike Alexander (expert in management planning)	Ian Harris
S26	DXX2011	2	TBC	Field trip demonstrating to Cegin 1) River hydrology and 2) River Habitat Survey	1	2 x 8	Knowledge of catchment characteristics and river features	Morag McDonald
S27	DXX2012	2	TBC	ACE Field-trip activities	1	5 x 8	Water/river sampling/support on field visits	James Gibbons
S28	DXX2021	2	Weeks 25,28,29,34	Field visits (Penrhyn Estate, Gors Goch, Newborough) and laboratory practicals on plant diversity/physiology	1	13	Plant physiology and plant identification and has MIDAS registration.	Katherine Steele
S29	DXX3001	1	23/10/2017	Fieldtrip demonstrating. To Parc Mine - impacts of metal mining, water quality monitoring & geology.	1	4	Knowledge of geology, inorganic geochemistry & techniques for measuring water chemistry in the field	Graham Bird
S30	DXX3001	1	15/11/2017	Fieldtrip demonstrating. To Parys Mountain - impacts of metal mining, water quality monitoring & geology.	1	4	Knowledge of geology, inorganic geochemistry & techniques for measuring water chemistry in the field	Graham Bird
S31	DXX3016	2	TBC	Fieldtrip to Newborough Forest, Bangor Diverse and Agroforestry plots	1	6	Forest Biogeochemistry and Ecology, Ecosystems Services	Andy Smith
S32	DXX3212	2	TBC	Fieldtrip to Bangor Diverse and Agroforestry plots	1	3	Forest Biogeochemistry and Ecology	Andy Smith
S33	DXX3301	1	Weeks 6 + 7	Field practical demonstrating	1	12	Plant identification, plot-based forest ecological inventory methods	John Healey
S34	DXX3506/8	1	Week 14 & 15	Assessments with academic staff on interviews for the Issues in Env. Science modules	2	18	Broad knowledge of environmental issues and ability to ask insightful questions in an interview setting	Prysor Williams
S35	DXX3600	1	weeks 12 and 14 TBC	Field trip demonstrating - bilingual for 2 visits	1	2 x 8	Awareness of key concepts in Human Geography	Eifiona Thomas-Lane
S36	DXX3601	2	TBC	Bilingual Field Demstration	1	2 x 8	Awareness of key concepts in Human Geography	Eifiona Thomas-Lane
S37	DXX3702	1	Week 5	Introduction to Machno management plan - Forestry.	1		Forestry graduate who has previously completed the 3702 assessment and has MIDAS registration.	Ian Harris
S38	DXX3702	1	Week 6 & 7	Forestry group sub-compartment data gathering. 2 field days.	1	2 x 7	Forestry graduate who has previously completed the 3702 assessment and has MIDAS registration.	Ian Harris
S39	DXX3800	1	Weeks 5, 6, 7, 8 & 9	Computer Prac demonstrating: Using NetLogo to model socio-ecological systems. Five 2 hour sessions	2	5 x 2	Knowledge of socio-ecological systems & computer modelling (e.g. coding)	Simon Willcock
S40	DXX3801	2	Weeks 24 +29 (TBC)	Lab Prac demonstrating: worksheet-based activities	2	4		Freya St John
S41	DXX4517	1	Weeks 8 + 9	Field practical demonstrating	1	16	Woody plant identification, plot-based forest inventory methods, walking up and down steep slopes and traversing them safely	John Healey
S42	DXX4517/DXX	1	Week 7	Field and lab practical demonstrating	2	12	Woody plant identification, plot-based and plotless forest ecological inventory methods, walking up and down steep slopes and traversing them safely	John Healey
S43	DDL4205	2	Week 28	Marking of forest inventory data analysis and interpretation assessment.	1	~20	Numerical, expertise in statistics / sampling theory / measuring trees and forests	Mark Rayment
S44	DDL4206	2 & 3	March / April 2018	Preparation of Panopto materials	1	~20		James Walmsley