

Module Information

2022.01, Approved

Summary Information

Module Code	6315NATSCI
Formal Module Title	Cold Environments: Processes and Change
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Off Site	66
Seminar	3

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	<p>- To provide students with an opportunity to apply knowledge and skills gained in previous lecture-based modules to a new geographical setting, by carrying out detailed data-collection.- To critically evaluate the importance of field-based observations and analyses within the context of the wider literature.- To develop a wide range of transferable skills in measurement technique, research design, effective communication, and group work.</p>
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Collect, organise, and analyse a wide variety of field-based data using appropriately designed methodologies to formulate and solve geographical research questions.
MLO2	2	Combine field observations with published research findings to produce fully synthesized answers to specific geographical problems.
MLO3	3	Critically synthesize and communicate contemporary environmental ideas to a diverse audience.

Module Content

Outline Syllabus	A wide range of topics will be covered during the trip which are likely to include: glacial geomorphology, glacial sedimentology, relative dating techniques, proglacial hydrology, coastal processes, volcanology, snow pack properties, geohazards, economic geography, landscape development. The trip will also include an extended stay in a field centre in which students will develop transferable personal and interpersonal skills, and a full academic understanding of the location.
Module Overview	The aim of this module is to provide you with an opportunity to apply knowledge and skills gained in previous lecture-based modules to a new geographical setting, by carrying out detailed data-collection. You will critically evaluate the importance of field-based observations and analyses within the context of the wider literature and develop a wide range of transferable skills in measurement technique, research design, effective communication and group work.
Additional Information	This module is based on an international field trip. It is a detailed field skills module. Students are encouraged to undertake independent observations and interpretations and reflect upon them in relation to published work. There is an additional charge for this fieldtrip to cover the cost of accommodation..

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Presentation	Field Pres/debate reflection	60	0	MLO1, MLO3
Report	Report	40	0	MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Timothy Lane	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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