

Liverpool John Moores University

Title: SKILLS IN CLIMATE CHANGE SCIENCE
Status: Definitive
Code: **4402NATSCI** (127324)
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
Sasha Kosanic	Y
Sarah Percival	
Neil Simcock	
Ian Walkington	
Jonathan Dick	
Tim Lane	
Kostas Kiriakoulakis	

Academic Level: FHEQ4 **Credit Value:** 20 **Total Delivered Hours:** 61

Total Learning Hours: 200 **Private Study:** 139

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	6
Off Site	28
Practical	19
Seminar	2
Tutorial	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	test	Exercises on data analysis	40	
Portfolio	pres	Field project presentations	60	

Aims

To provide students with practical skills in the methods used by climate scientists to collect, present and interpret primary and secondary data. To develop both quantitative and qualitative practical skills and field based observational skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate skills relevant in the analysis, interpretation and presentation of ecological, environmental and climate data
- 2 Synthesise and communicate data analyses via both written and verbal presentation
- 3 Collect, analyse and interpret field data in a systematic format

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

phase test	1	2
field project portfolio	2	3

Outline Syllabus

Fieldwork to develop skills in observation and data collection: Practical field skills in climate and environmental science, including observations, qualitative and quantitative data collection and recording. Techniques include ecological and environmental sampling, observation and field recording.

Data acquisition, display and analysis and communication.

Small Group Tutorials to develop essential study skills.

Learning Activities

Lectures, practicals workshops, tutorials and fieldwork

Notes

This module includes a residential field trip to develop field based qualitative and quantitative skills.