

## Liverpool John Moores University

Title: ADVANCED TOPICS IN CLIMATE CHANGE  
Status: Definitive  
Code: **6401NATSCI** (127330)  
Version Start Date: 01-08-2021

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

Team	Leader
Tim Lane	Y
Chris Hunt	

**Academic Level:** FHEQ6      **Credit Value:** 20      **Total Delivered Hours:** 40.5  
**Total Learning Hours:** 200      **Private Study:** 159.5

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	19.5
Practical	21

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Portfolio of work, based on each specific subject taught in the module.	100	

### Aims

*This module aims to examine cutting edge, emergent issues in climate science. It aims to investigate specific issues affecting or affected by climate change, and provide students with skills in exploring specific issues.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 To demonstrate advanced levels of knowledge and in depth understanding of a number of specific subjects in climate science.
- 2 Be competent in accessing and assimilating literature and data relating to climate science.

### **Learning Outcomes of Assessments**

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

Portfolio	1	2
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### **Outline Syllabus**

*The syllabus will vary based on the most recent scientific discoveries and progress. However, it will always include a physical science and social science component. Example syllabus content will include: rapid climate change, global climate teleconnections, climate communication, and community engagement.*

### **Learning Activities**

The module will include lectures that present key concepts and issues. Practicals will be used to develop experience of data analysis and interpretation, and will allow specific case studies to be worked through individually or in small groups. Discussion during practicals will help students to develop critical thinking skills.

### **Notes**

This module will discuss specific, cutting-edge issues in climate science and climate change that have recently emerged.