

## Liverpool John Moores University

Title: METEOROLOGY  
Status: Definitive  
Code: **5213NAU** (126768)  
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering  
Teaching School/Faculty: Engineering

Team	Leader
Jonathan Warren	Y

**Academic Level:** FHEQ5      **Credit Value:** 10      **Total Delivered Hours:** 42  
**Total Learning Hours:** 100      **Private Study:** 58

### Delivery Options

Course typically offered: S1, S2 and NS2 (S2 for Jan)

Component	Contact Hours
Lecture	36
Tutorial	4

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Meteorology	100	2

### Aims

*The module will enable the student to analyse and interpret meteorological and climatological information and its effect on a vessels safe passage.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Interpret and evaluate meteorological and climatological data and the application of meteorological and climatological information.
- 2 Analyse weather associated with pressure systems and understand ocean current circulation and the formation of ice.

### **Learning Outcomes of Assessments**

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

Exam	1	2
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### **Outline Syllabus**

*Ability to understand and interpret a synoptic chart and to forecast area weather, taking into account local weather conditions and information received by weather fax*

*Knowledge of the characteristics of various weather systems, including tropical revolving storms and avoidance of storm centres and the dangerous quadrants*

*Knowledge of ocean current and presentation systems*

*Knowledge of ice*

### **Learning Activities**

Lectures and tutorials integrated with simulator sessions if appropriate and available

### **Notes**

This module will contribute to the underpinning knowledge required for progression to professional qualification.