

Liverpool John Moores University

Title: METEOROLOGY
Status: Definitive
Code: **5213NAU** (126768)
Version Start Date: 01-08-2022

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.