

Liverpool John Moores University

Title: Meteorology
Status: Definitive
Code: **5537ALAM** (123844)
Version Start Date: 01-08-2019

Owning School/Faculty: Engineering
Teaching School/Faculty: Malaysian Maritime Academy

Team	Leader
Barbara Kelly	Y

Academic Level: FHEQ5
Credit Value: 10
Total Delivered Hours: 47.5
Total Learning Hours: 100
Private Study: 52.5

Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	30
Tutorial	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	100	2.5

Aims

To develop the techniques, and demonstrate competency in, appraising the influence of weather.

Learning Outcomes

After completing the module the student should be able to:

- 1 Understand the formation of weather systems and phenomena and obtain and evaluate meteorological data.

Learning Outcomes of Assessments

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

Exam 1

Outline Syllabus

*Wind & Pressure., Air Mass Types and Weather
Synoptic and Prognostic Charts, Information from Fax Transmission, Internet and e-mails
Types of Floating Ice and movement, Safety of Navigation in Ice
Ice Accretion and remedies
Frontal System- Formation and weather, Frontal and non-frontal Depressions
Weather Characteristics for non-frontal
Tropical Revolving Storm, Ocean Water Circulation
Sea Waves and Swell Waves*

Learning Activities

Lectures and tutorials.

Notes

This module provides an overview of meteorological phenomena. It is intended to be studied by students following an approved STCW95 training programme who have spent some time on the bridge of a ship.