

## Liverpool John Moores University

Title: NAVIGATION  
Status: Definitive  
Code: **4215NAU** (126765)  
Version Start Date: 01-08-2021

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

Team	Leader
Mike Stringfellow	Y
Alan Bury	

**Academic Level:** FHEQ4  
**Credit Value:** 20  
**Total Delivered Hours:** 122  
**Total Learning Hours:** 200  
**Private Study:** 78

### Delivery Options

Course typically offered: S2, Summer NS2 (S2 for Jan)

Component	Contact Hours
Lecture	60
Practical	10
Tutorial	50

**Grading Basis:** Pass/Not Pass

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Celestial Navigation	50	2
Portfolio	Portfolio	Passage Plan	50	

### Aims

*To develop student knowledge of passage planning and celestial navigation.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Resolve celestial navigation problems
- 2 Ensure that the vessel's navigation is planned in adequate detail.

### **Learning Outcomes of Assessments**

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

Exam	1
Portfolio	2

### **Outline Syllabus**

*Celestial navigation and compass errors  
Ability to use celestial bodies to determine the ship's position*

*Plan and conduct a passage and determine position  
A basic understanding of electronic systems of position fixing and navigation  
Thorough knowledge of and ability to use nautical charts, and publications, such as sailing directions, tide tables, notices to mariners, radio navigational warnings and ships' routeing information".  
The use of routeing, including Ocean Passages of the World, in accordance with the general provisions of Ships' Routeing  
Preparation for professional Navigation examination*

### **Learning Activities**

Lectures and tutorials integrated with practical navigation sessions on the simulator.

### **Notes**

This module will contribute to the underpinning knowledge required for progression to an Officer of the Watch professional qualification.  
This is a Pass/Not pass module - a mark of at least 65% must be obtained in the navigation components.