

Liverpool John Moores University

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Title: Navigation
Status: Definitive
Code: **5001NAU** (116850)
Version Start Date: 01-08-2019

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

Team	Leader
Barbara Kelly	Y
Alan Wall	

Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 120
Total Learning Hours: 240 **Private Study:** 120

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	92
Tutorial	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam 1		50	2
Exam	Exam 2		30	2
Essay	Essay		20	

Aims

To assess the planning and monitoring of the routing of vessels worldwide.

Learning Outcomes

After completing the module the student should be able to:

- 1 Complete a passage plan for a vessel on an international voyage.
- 2 Resolve celestial navigation problems.
- 3 Explain search and rescue procedures.
- 4 Assess the factors relating to Bridge Resource Management.
- 5 Respond effectively to navigational emergencies

Learning Outcomes of Assessments

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

Examination 1	1	5
Examination 2	2	
Essay	3	4

Outline Syllabus

Passage planning for worldwide and coastal sections of voyage.
Position fixing using great circle and celestial navigation.
Electronic systems of position fixing including the use of Radar in safe navigation.
Co-ordinate search and rescue operations.
Bridge resource management.
Respond to navigational emergencies.

Learning Activities

Classroom based lectures and tutorials including the use of appropriate simulator facilities where possible.

Notes

This module contributes to the knowledge required to gain a professional qualification for the Merchant Navy.