

## Liverpool John Moores University

Title: Passage Planning  
Status: Definitive  
Code: **4010NAU** (119096)  
Version Start Date: 01-08-2016

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

Team	Leader
Farhan Saeed	Y
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**Academic Level:** FHEQ4      **Credit Value:** 12      **Total Delivered Hours:** 32  
**Total Learning Hours:** 120      **Private Study:** 88

### Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	20
Tutorial	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Passage pl	Passage plan	40	
Exam	Exam	Compass & Ship Handling Time Constrained Coursework (2hrs)	60	2

### Aims

*To provide a detailed understanding on the use of passage planning at an operational level.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Appreciate the factors affecting turning circles, stopping distances and how to make ship manoeuvres.
- 2 Explain and demonstrate the principles and use of magnetic and gyro compasses and steering systems.
- 3 Plan a coastal passage.
- 4 Evaluate the procedures necessary to ensure that all paper and electronic charts and publications are maintained and corrected.

### **Learning Outcomes of Assessments**

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

Report	3	4
Exam	1	2

### **Outline Syllabus**

*Navigation and Manoeuvring: Effects on manoeuvring, turning circles and stopping distances*

*Compass System: Information supplied by ships' compasses, Causes and nature of magnetic compass errors, Limitations of the gyro compass*

*Steering Gear and the Auto-pilot: Components of steering systems, and their function*

*The various forms in which steering information is relayed to the helmsman*

*Hazards and Emergencies: Recognise hazards and emergencies associated with the vessel*

*Passage planning stages including making a landfall.*

*Management, correction and care of charts and publications.*

### **Learning Activities**

Formal Lectures and tutorials including quizzes.

### **Notes**

Provides the detailed knowledge required by an Officer of the Watch (Deck) on a Merchant Ship