

Liverpool John Moores University

Title: Passage Planning
Status: Definitive
Code: **4510SAM** (119639)
Version Start Date: 01-08-2016

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

Team	Leader
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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 Calculate routes and plan a passage.

Learning Outcomes of Assessments

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

Report	3	
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.

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. For MCA exemptions for deck OOW CoC, students need to obtain 65% in both assessment components.