

Liverpool John Moores University

Title: PASSAGE PLANNING
Status: Definitive
Code: **5028MAR** (105600)
Version Start Date: 01-08-2016

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

Team	Leader
Alan Wall	Y

Academic Level: FHEQ5
Credit Value: 12
Total Delivered Hours: 58
Total Learning Hours: 120
Private Study: 62

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	30
Practical	16
Tutorial	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Ocean passage plan	30	
Essay	AS2	Coastal/Estuary passage plan	30	
Essay	AS3	Laboratory exercise - Coastal/Estuary passage	40	

Aims

The module will enable the student to develop the techniques of passage planning and demonstrate competency in appraising and planning a passage. It is expected that the student will be able to practice and demonstrate these techniques in the navigation laboratory.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appraise an intended passage
- 2 Prepare and document the passage plan with contingencies.
- 3 Evaluate the plan
- 4 Make command decisions which may arise during a simulated passage.

Learning Outcomes of Assessments

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

CW	1	
CW	2	
CW	3	4

Outline Syllabus

*Obtains distances by a variety of direct and indirect routes, Appraises navigation aid coverage for a passage and makes judgments as to coverage and accuracy for a passage. Resolves ambiguity in navigation information
Calculates tidal height/time and finds tidal flow
Calculates load line and bunker requirements.
Uses meteorological data.
Present documentation in suitable form.*

*Prepare navigation equipment with waypoints.
Use data to establish validity of plan prior to departure.
Makes decisions as to contingencies including a finding a Search and Rescue rendezvous position.*

Learning Activities

Lecture, tutorial, laboratory

Notes

This module provides the underpinning knowledge as described in MN1.1.1 to 9 and MN2.2.3 of the library of underpinning knowledge for Merchant Navy Deck Personnel. The library document includes the content of STCW 95.

This module will provide the underpinning navigation skills required to manage a

vessel during a voyage. 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

The module will provide the necessary knowledge for the student to undertake a NARAS(M) practical course.