Liverpool John Moores University

Title:	CHARTWORK, TIDES AND SAILINGS
Status:	Definitive
Code:	4211NAU (126759)
Version Start Date:	01-08-2022
Owning School/Faculty:	Engineering
Teaching School/Faculty:	Engineering

Team	Leader
Alan Bury	Y
Mike Stringfellow	

Academic Level:	FHEQ4	Credit Value:	20	Total Delivered Hours:	83.5
Total Learning Hours:	200	Private Study:	116.5		

Delivery Options

Course typically offered: S1 & S2 & Summer

Component	Contact Hours	
Lecture	60	
Practical	10	
Tutorial	10	

Grading Basis: Pass/Not Pass

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam 1	Chartwork	50	2
Exam	Exam 2	Tides and Sailings	50	1.5

Aims

To develop student skills in traditional Navigational techniques

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an understanding of terrestrial and coastal navigation.
- 2 Describe the general theory on the causes of tides and perform calculation involving times and heights of tides.
- 3 Perform sailings calculations related to course and distance.

Learning Outcomes of Assessments

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

Exam 1	1	
Exam 2	2	3

Outline Syllabus

Terrestrial and coastal navigation

Ability to determine the ship's position by use of: landmarks, aids to navigation, lighthouses, beacons and buoys dead reckoning, taking into account winds, tides, currents and estimated speed

Sailings calculations and theory. Tidal theory. Time, height and stream calculations

Learning Activities

Lectures and tutorials integrated with practical sessions on the Navigation 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% in each component is required to pass the module.