

Liverpool John Moores University

Title: CARGO OPERATIONS
Status: Definitive
Code: **5206NAU** (121942)
Version Start Date: 01-08-2019

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

Team	Leader
Hamid Sarwar	Y

Academic Level: FHEQ5
Credit Value: 20
Total Delivered Hours: 82
Total Learning Hours: 200
Private Study: 118

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	74
Tutorial	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Cargo operations exam	60	2
Essay	AS2	Loading case study - 1500 words	40	

Aims

To assess the operational practices required for the efficient and safe movement of cargoes on ships.

Learning Outcomes

After completing the module the student should be able to:

- 1 Explain the processes, procedures, preparations (and appreciate the regulatory framework) involved in the planning of the safe stowage, securing and carriage of dry cargoes, stores and equipment as well as the planning and operational procedures for safe passenger operations.
- 2 Explain the handling of oil, liquid and gas cargoes and their operating procedures and the regulatory framework surrounding them.

Learning Outcomes of Assessments

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

Exam	1	2
Essay	1	2

Outline Syllabus

Structural requirements for vessels with respect to the handling and carriage of cargo.

Stability/stress diagrams and stress calculating equipment.

Planning and operational procedures for the stowage and securing of dry cargoes, stores and equipment.

Planning and operational procedures for handling oil, liquid and gas cargoes.

Planning and operational procedures for passenger operations.

Learning Activities

Classroom based lectures and tutorials including the use of appropriate software based programmes where possible.

Notes

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