

## Liverpool John Moores University

Title: MARITIME MANAGEMENT AND LAW AND COMPASS  
Status: Definitive  
Code: **4204NAU** (121931)  
Version Start Date: 01-08-2022  
  
Owning School/Faculty: Engineering  
Teaching School/Faculty: Engineering

Team	Leader
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**Academic Level:** FHEQ4      **Credit Value:** 20      **Total Delivered Hours:** 63  
**Total Learning Hours:** 200      **Private Study:** 137

### Delivery Options

Course typically offered: S1 & S2 & Summer

Component	Contact Hours
Lecture	50
Tutorial	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination one	40	1
Exam	AS2	Examination two	60	2

### Aims

*To provide an understanding of marine law and fundamental management principles and knowledge of compasses and steering gear required by an Officer of the Watch.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Appreciate the relationship between law, codes and other forms of guidance.
- 2 Demonstrate an awareness of the law, codes and guidance relating to ship and crew safety and operations.
- 3 Explain how to apply the principles of personnel management at operational level.
- 4 Appreciate the factors affecting turning circles, stopping distances and how to make ship manoeuvres.
- 5 Explain and demonstrate the principles and use of magnetic and gyro compasses and steering systems.

## Learning Outcomes of Assessments

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

Exam one	4	5		
Exam two	1	2	3	

## Outline Syllabus

*Conventions: International Conventions and Treaties, Legislation, Codes of Practice and M Notices*

*Legal systems: An overview of UK Civil and Criminal Law, an overview of Flag and Port State Control, Recording methods available*

*Records: Requirement for accuracy in record keeping, confidential nature of records and the access that can be afforded them*

*Safety Regulations: Regulations concerning Life Saving Appliances and Fire Fighting Appliances*

*Pollution Control: An overview of MARPOL and its annexes, company procedures for compliance with SOLAS and MARPOL*

*Safety Codes and Practices: ISM or relevant Codes, maintaining a safe working environment on board ship, entry into an enclosed space, safe movement to- from and around the vessel, using powered cleaning devices, using lifting gear and working at a height, reporting of accidents and dangerous occurrences, safety management systems, risk assessment, permit to working chemicals or other hazardous materials; COSHH Regulations, personal protective clothing and equipment*

*Watchkeeping: Safe navigational watch, Safe deck watch Management: The officer as manager, organisation and structure,*

*Management Loop: Planning, resourcing and evaluating, Inter-personal communication, group dynamics, groupthink, race, culture and gender issues.*

*Leading by example.*

*Management styles: Hierarchy and assertiveness. horizontal versus vertical.*

*Motivation, leadership and teamwork, delegation.*

*Appraisal and Review: Role of appraisal, counselling and discipline, giving feedback in a constructive way. Stress in self and others. Conflict and conflict resolution, referral to counselling*

*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*

## **Learning Activities**

Formal Lectures and tutorials including quizzes.

## **Notes**

Provides an understanding of maritime law and personnel management and knowledge of compasses, steering gear and ship handling required by an Officer of the Watch.