

Liverpool John Moores University

Title: Ship Construction and Management
Status: Definitive
Code: **6120MECH** (124082)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
Eddie Blanco Davis	Y

Academic Level: FHEQ6 **Credit Value:** 20 **Total Delivered Hours:** 68
Total Learning Hours: 200 **Private Study:** 132

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	44
Tutorial	22

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS2	Examination	70	2
Portfolio	AS1	A portfolio of formative and summative assessment.	30	

Aims

The module aims to provide an understanding of the technologies and equipment used in modern ship construction, while also including aspects of the management of production processes.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate the techniques and technology utilised in ship construction.
- 2 Analyse the need and interaction of several aspects of technology and equipment applied to the ship construction processes.
- 3 Discuss the functions, methods, and information systems necessary for the management of production processes.
- 4 Analyse the aspects of management specifically applicable to ship construction and repair.

Learning Outcomes of Assessments

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

Examination	1	2	3	4
Portfolio	1	2	3	4

Outline Syllabus

- Overview of the facilities for ship construction.*
- The ship construction process including the integration of hull construction.*
- Outfitting and painting.*
- Design and product definition.*
- Overview of management.*
- The role of project management in ship construction.*
- Planning and production control.*
- Material procurement.*
- Quality assessment.*
- Improvement of the efficiency in production processes.*

Learning Activities

A combination of lectures, tutorials, and practical sessions, supported by a shipyard visit.

Notes

The module is designed to provide the student with an in-depth grounding of the typical practices and procedures that they will encounter should they pursue a career in the marine ship construction and repair environment. The module will also provide a good base for those students pursuing careers in project management in other engineering industries.