

Introduction to Port Studies

Module Information

2022.01, Approved

Summary Information

Module Code	4101MAR
Formal Module Title	Introduction to Port Studies
Owning School	Engineering
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	17
Off Site	6
Tutorial	3

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	To introduce students to the roles, functions, features and operations of ports
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Recognise the economic and logistics roles of ports
MLO2	2	Identify the various types of port facilities and services, and distinguish between terminal operational systems
MLO3	3	Discuss the key factors influencing the design of a port terminal

Module Content

Outline Syllabus	Economic and logistics roles of ports – ports as facilitators of international trade; ports as national and regional economic drivers; ports as logistic chain providers Global port industry – categorisation of ports; global port geography and competition in the industry; global terminal operators; port customers and other interested parties; contemporary issues in the port industry Port functions – services and facilities – harbour and shore-side services to vessels; cargo handling, storage and receipt / delivery functions; infrastructure and superstructure provision; landlord functions and related activities Terminal Logistics – throughput, capacity and area calculations; cargo handling systems and requirement estimations; berth configurations; layout of storage facilities and other superstructure; vehicle, equipment and people flows; hinterland connections
Module Overview	The aim of this module is to introduce students to the roles, functions, features and operations of ports.
Additional Information	An introductory module looking at the operation of ports.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Report	100	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Chia-Hsun Chang	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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