

Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. If delivering the graded version of this unit, please refer to the Provider Handbook for details on grading descriptors and the application of these across units within your programme.

Unit Title: Port Services and Operations

Graded Unit Reference Number: GA36LOG02

Ungraded Unit Reference Number: UA36LOG02

Module: Logistics and Maritime

Level: Three (3)

Credit Value: Six (6)

Minimum Guided Learning Hours: 60

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the development and role of ports	1.1 Identify the world's largest and busiest ports
	1.2 Describe different models of port ownership
	1.3 Explain the differences between natural and purpose-built ports and the evolution of port cities
	1.4 Evaluate trends in port development including free ports, hub ports and gateway ports
2. Understand port services and operation	2.1 Identify the key operations of a safe and efficient port
	2.2 Outline the regulatory authorities that operate in a port
	2.3 Summarise two types of cargo terminal and describe the equipment used to load and discharge vessels
	2.4 Explain the stages in the movement of goods or passengers through a port
	2.5 Give one example of automation that is transforming port operations

3. Understand the role and duties of port agents	3.1	Explain the roles and responsibilities of port agents
	3.2	Summarise the following vessel services that agents provide: a) Chandlery b) Crewing c) Bunkering d) Husbandry
	3.3	Summarise the clearances and dues required for a vessel to enter and leave port
	3.4	Explain the conflicts of interest that may arise between cargo owner, ship owner/operator and broker and their agents
4. Understand safe and professional working practice in the port environment	4.1	Identify the types of hazards encountered in a port
	4.2	Explain the purpose of port state control inspections of vessels in port
	4.3	Describe what practices are followed to ensure the safe arrival and berthing of a ship
	4.4	Justify the recommendation from an accident report from one recorded port incident that involved loss of life
5. Understand port communications and vessel planning	5.1	Identify the main stakeholders in port operations and logistics
	5.2	Explain the process for planning a vessel's arrival and departure
	5.3	Explain how delays and congestion in ports can be resolved
	5.4	Evaluate how technology could impact on communications and vessel planning