

Course Unit Title	PORTS & TERMINALS OPERATIONS AND MANAGEMENT		
Course Unit Code	ATTO 301		
Type of course unit:	Compulsory		
Level of course unit:	Bachelor (1st cycle)		
Year of study:	4 TH		
Semester when the unit is delivered:	7 TH		
Number of ECTS credits allocated	6		
Name of lecturer(s):	Captain Eugen-Henning Adami, Ms Stephanie Papastylianou		
Learning Outcomes of the course unit	<p>By the end of the course, the students should be able to:</p> <ul style="list-style-type: none"> • Analyse the role that ports play in the development of shipping and International Trade. • Identify the framework of port development in relation to hinterland and local infrastructure. • Describe the necessary cargo handling facilities necessary for the major commodity trades. • Demonstrate a deep and spherical understanding of the ways that ports influence the economy of the hinterland they serve. • Identify the present-day issues and operations of the various types of port terminals. • Analyse the economic consequences to the infrastructure available for different modes of connecting transportation. • Discuss the degree of port commercialisation in relation to different types of port stakeholders. • Analyse the present day legal issues relevant to port labour relations. 		
Mode of Delivery	Face-to-face		
Prerequisites	NONE	Co-requisites	NONE
Recommended optional program components	NONE		
Course Contents	<p>Ports and their Functions</p> <ul style="list-style-type: none"> • What is a Harbor/Harbour • What Port means – Legal Definition, Features and Purpose 		

- Different Cargo Handling, Facilities and Services provided by a port (for containers, dry and liquid bulk operations)
- Infrastructures and Important Functions of a Port – Administrative and Operational Functions
- Different Types of Ports – By Function and by Geographical Type
- Port/Berth Efficiency and Productivity

Factors Affecting Port Development

- Changes in Inland Transport and in Trade Patterns
- Growth in World Seaborne Trade – Bulk and Containerized Cargo
- Port financing and the Involvement of Large Shipping Groups in Port Investment
- The Different Views on Port Ownership

The Various Types of Port Terminals

- Container Terminal
- Bulk Cargo Terminal
- LNG Terminal
- Passenger Terminal

Jurisdiction over Port Authorities and those of the included Service Providers

- The Legal Definition of an Agent
- The Local Authorities around the port and the relationship with the agent
- Port State Control

Labour Management and Relations in Ports

Maritime Port Operations and Intermodal Transportation Systems

Port Management Development

- From a transport center to a logistic platform
- The Rise and Fall of Ports

	<ul style="list-style-type: none"> • Competition Between Ports <p>Current Trends in Ports – Current Issues in Port Policy</p> <p>Port Management/Financials</p> <ul style="list-style-type: none"> • Charging Practices (Port Tariffs etc.) • The Management of Port Schedules and Congestion
Recommended and/or required reading:	
Textbooks	<ul style="list-style-type: none"> • P. Alderton, Port Management and Operations, 3rd Edition, Informa, 2008 • Meersman H. et. Al, Future Challenges for the Port and Shipping Sector, Informa, 2008 • Martin Stopford, Maritime Economics, 3rd Edition, Routledge, 2009 • Branch, A.E., Elements of Shipping, 7th Edition, Routledge, 2009
References	<ul style="list-style-type: none"> • Department of Merchant Shipping – eshipping - E-Learning Modules: The link http://eshipping.dms.mcw.gov.cy/ a simple registration is required: simply provide your name, email address and selected password. You will then receive a verification email granting you access. Select the tab Modules for Shipping Companies Executives (more suitable for MSc Students) or Modules for Students of Maritime Studies. • Song, Dong-Wook, & Panayides, P. Maritime Logistics, A Guide to Contemporary Shipping and Port Management, 2nd Edition, London: Kogan, 2015 • Bichou, Khalid. Port Operations, Planning and Logisitcs, 2nd Edition, Informa, 2016
Planned learning activities and teaching methods	Lectures, discussions, presentation of case studies, movies, assignments, visit to the port of Limassol.
Assessment methods and criteria	<p>Mid-term exam : 25%</p> <p>Mid-term assignment : 15%</p> <p>Final Exam : 60%</p>
Language of instruction	English
Work placement(s)	Not applicable