COURSE OUTLINE

(1) GENERAL

SCHOOL	Maritime and Industrial Studies		
ACADEMIC UNIT	Department of Maritime Studies		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	NAS-SHM130	**SEMESTER**	B
COURSE TITLE	Port and Terminal Management		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	WEEKLY TEACHING HOURS	CREDITS
	3	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	General Background
PREREQUISITE COURSES:	No
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://eclass.unipi.gr/courses/NAS-SHM130/

(2) LEARNING OUTCOMES

Learning outcomes
The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.
Consult Appendix A   • *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*   • *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*   • *Guidelines for writing Learning Outcomes*

By the end of this module, students will be able to:

• Understand the role of maritime shipping as facilitator of international trade

• Know the basic definitions of logistics and international logistics and components of international logistics

• Define the role of ports, their features, and the different forms of ownership structure

 Present the interface of ports with hinterland transport and logistics systems

• Describe the role and the position of ports in global supply chains

• Analyze port charges and port competition related issues

• Understand how Incoterms® rules are used to split the responsibilities of the exporter and the responsibilities of
the importer.

• Understand the strategic advantages for an exporter of having good document preparation.
• Identify perils of the sea and methods of risk management
• Understand the impact of a major disruption on international trade.

The module aims at enhancing students' understanding on the essential elements of maritime logistics and intermodal
transport systems, global supply chains and the role of ports, the structure and the evolution of the maritime transport and port
industry and the trends affecting this sector. Aspects of port management and ownership models, operations, pricing and
competition are covered.

(3) SYLLABUS

1st Week
Maritime shipping and international trade
• Know the basic theories of international trade.
• Know the basic explanations for international trade.
• Have a cursory exposure to the international business environment
• Identify characteristics of international utilities infrastructure.

2nd Week
Modes of transport and multimodal transportation
• What is multimodal transport in supply chain management?
• The different modes of transportation in a supply chain

3rd Week
Ports and maritime supply chains
• Trends and developments in the shipping industry and global supply chains impact on ports
• The role of ports in global supply chains
• Container shipping industry providing door-to-door services

4th Week
Port logistics and distribution networks
• Port centric logistics
• Regional Distribution Networks
• Urban goods movement
• Dry ports

5th Wekk
Port planning and terminal operations
• Port Planning
• Types of terminals (conventional/general cargo – multipurpose, dry bulk, liquid
bulk, cruise terminals, terminals serving PCTC, Ro-Ro, RoPax vessels)
• Terminal operations – container terminals

Warehouse and distribution center planning and operations
• Warehousing Activities in Supply Chains

6th Week
Port management structures and ownership models
• Port Functions, Services, Management and Administration Models
• Public and Private Roles in Port Management
• Vertical and horizontal integration in the liner shipping industry
• Global terminal operators

7th Week
Port pricing and competition
• Categories and types of port services
• Typology and characteristics – port tariffs and port cost analysis
• Principles of port pricing
• Definition and basic characteristics of port competition – entry barriers, market power

8th week
Incoterms and Transport Documents
Risk management and cargo insurance
• The eleven terms of international trade, or Incoterms® rules and their use for
strategic advantage.
• Electronic data interchange (EDI
• Alternative terms of payment in international trade.
• Advantages/disadvantages of securing payment through cash in advance, through the use of open accounts and through letters of credit.

• Various forms of and coverages under marine insurance policies.
• Elements and functions of commercial credit insurance.
• Nomenclature of international insurance.
Customs clearance
Safety and security
• Characteristics of non-tariff barriers to imports.
• Functions and requirements of the Customs clearing process.
• Functions of Foreign Trade Zones
• Security requirements of the IMO and security programs put in place by the European Union and the United States

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face to face		
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*			

TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS*	Activity	Semester workload
	Lectures	24
	Study	101
	Course total	*125*

STUDENT PERFORMANCE EVALUATION
Description of the evaluation procedure

Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other

Specifically-defined evaluation criteria are given, and if and where they are accessible to students.

The module will be assessed on the basis of two components:
A. group project (40%) – Students will work in groups of 3 or 4 on a topic of their choice. A report will be submitted and a
presentation will be made.
B. Written exam (60%) - A written final exam

(5) ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*
International Logistics: the Management of International Trade Operations, Pierre David, 6th edition
▪ *Port and Terminal Management, Institute of Chartered Shipbrokers, 2020 Edition*
- *Related academic journals:*
Maria Burns, Port Management and Operations. CRC Press. 2015
- Patrick Alderton, Port Management and Operations, 3rd edition, 2008
- Jurgen Bose, Editor, Handbook of Terminal Planning. Springer Science & Business Media, LLC 2011
- Selected scientific articles
- World Bank: Logistics Performance Index

- Articles from Llloyd's List, Trade Winds, academic journals
- Course slides
- Academic Papers