

COURSE OUTLINE

(1) GENERAL

SCHOOL	Maritime and Industrial Studies		
ACADEMIC UNIT	Department of Maritime Studies		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	NAS-SHM110	SEMESTER	B
COURSE TITLE	Shipping Operations		
INDEPENDENT TEACHING ACTIVITIES <i>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</i>		WEEKLY TEACHING HOURS	CREDITS
		3	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	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-SHM110/		

(2) LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>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.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>
<p>Understanding Shipping Processes: Gain a comprehensive understanding of the various processes involved in shipping operations, including vessel management, cargo handling, and port operations.</p> <p>Regulatory Compliance: Familiarize oneself with international and national regulations governing shipping operations to ensure compliance with legal and environmental standards.</p> <p>Risk Management: Develop skills in identifying and managing risks associated with shipping operations, such as safety, security, and financial risks.</p> <p>Logistics and Supply Chain Integration: Understand the integration of shipping</p>

operations within broader logistics and supply chain management, optimizing efficiency and reducing costs.

Technology and Innovation: Explore the latest technologies and innovations in the shipping industry to enhance operational efficiency and stay competitive.

Financial Management: Acquire knowledge of financial aspects related to shipping operations, including budgeting, cost control, and financial analysis.

Environmental Sustainability: Address the environmental impact of shipping operations and explore sustainable practices within the maritime industry.

Communication and Collaboration: Develop effective communication and collaboration skills essential for coordinating shipping activities among various stakeholders, including shipowners, charterers, and port authorities.

Problem-Solving and Decision-Making: Enhance problem-solving and decision-making skills in the context of real-world shipping challenges.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Adapting to new situations

Decision-making

Working independently

Team work

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for difference and multiculturalism

Respect for the natural environment

Showing social, professional and ethical responsibility and sensitivity to gender issues

Criticism and self-criticism

Production of free, creative and inductive thinking

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Others...

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Comprehensive Understanding: The course aims to provide students with a comprehensive understanding of the various facets and intricacies of shipping operations. This includes knowledge of vessel management, cargo handling, and port operations.

Practical Application: Emphasis is often placed on the practical application of theoretical concepts. Students may engage in case studies, simulations, or real-world scenarios to develop practical skills that can be applied in the shipping industry.

Industry Relevance: The course typically aims to ensure that the content remains relevant to the current state of the shipping industry. This involves staying abreast of technological advancements, regulatory changes, and industry trends.

Regulatory Compliance: Given the highly regulated nature of the shipping industry, the course may aim to familiarize students with international and national regulations governing shipping operations. This includes compliance with safety, environmental, and legal standards.

Critical Thinking and Problem-Solving: Aims often include developing students' critical thinking and problem-solving skills within the context of shipping operations. This prepares them to tackle real-world challenges in the industry.

Global Perspective: Recognizing the international nature of the shipping industry, the course may aim to provide students with a global perspective. This includes understanding the impact of international trade, cultural considerations, and geopolitical factors on shipping operations.

(3) SYLLABUS

Elements of Systems Theory
Main Parts of the Ship
LOI – Letters of indemnity
Bunkers
Electronic Documents and Certificates
Dry Docking
Letter of Protest
Load Line
Cargo Handling and Stowage
Claims
Notice of Dead freight
Capacity plan
Chartering Abbreviations
Survey Planning
Case Studies and Practical Applications
Technology and Innovation in Shipping
Regulatory Compliance
Port Operations

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	E-class, MS Teams	
TEACHING METHODS <i>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</i>	<i>Activity</i>	<i>Semester workload</i>
	Lectures	24
	Seld Study	101
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>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.</i>	Final written exam 100% of the final grade	

(5) ATTACHED BIBLIOGRAPHY

<p><i>- Suggested bibliography:</i></p> <p><i>Case Studies</i> <i>Professors Slides</i> <i>IMO Documents</i></p> <p><i>- Related academic journals:</i></p>

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 & TERMINAL MANAGEMENT		
INDEPENDENT TEACHING ACTIVITIES <i>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</i>		WEEKLY TEACHING HOURS	CREDITS
		3	5
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COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	General		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://eclass.unipi.gr/courses/NAS-SHM130/		

(2) LEARNING OUTCOMES

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<p>The course analyses the contemporary port industry and how ports and their terminals are organised and managed to serve the global economy and regional and local development needs. It uses a conceptual background supported by extensive fieldwork and empirical observations, such as analysing flows, ports, and the strategies and policies articulating their dynamics.</p> <p>Educational Objectives</p> <ul style="list-style-type: none"> • Introduce the characteristics of the demand and supply of port services in an era of specialised shipping, continuous market adjustments, and port policy reforms. • Familiarise students with the critical characteristics of ports and terminals for contemporary maritime transportation systems. • Enable an understanding of market trends (supply and demand) with the use of relevant theoretical concepts.