

## COURSE OUTLINE

### (1) General information

<b>FACULTY/SCHOOL</b>	MARITIME AND INDUSTRIAL STUDIES		
<b>DEPARTMENT</b>	MARITIME STUDIES		
<b>LEVEL OF STUDY</b>	UNDERGRADUATE		
<b>COURSE UNIT CODE</b>	NA 511	<b>SEMESTER</b>	5th
<b>COURSE TITLE</b>	PORT PLANNING AND ORGANISATION		
<b>INDEPENDENT TEACHING ACTIVITIES</b> <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, provide the weekly teaching hours and the total number of credits</i>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures, Case Studies' & Exercises	4	6	
<i>Add rows if necessary. The organization of lectures and the teaching methods utilized are described in detail under section 4</i>			
<b>COURSE TYPE</b> <i>Background knowledge, Scientific expertise, General Knowledge, Skill Development</i>	BACKGROUND KNOWLEDGE		
<b>PREREQUISITE COURSES:</b>			
<b>LANGUAGE OF INSTRUCTION:</b>	GREEK		
<b>LANGUAGE OF EXAMINATION/ASSESSMENT:</b>			
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	NO		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.unipi.gr/courses/NAS107">https://eclass.unipi.gr/courses/NAS107</a>		

### (2) LEARNING OUTCOMES

#### **Learning Outcomes**

*The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which students will acquire upon successful completion of the course, are described in detail.*

*It is necessary to consult:*

#### **APPENDIX A**

- *Description of the level of learning outcomes for each level of study, in accordance with the European Higher Education Qualifications' Framework.*
- *Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and*

#### **APPENDIX B**

- *Summarized Guidelines for writing Learning Outcomes*

This course seeks to underline the prominent commercial, entrepreneurial and political

aspects of Ports (which are perceived as an Economic Organization), while focusing on Port-Planning and in particular on port organization, port planning and communication systems that ensure the effective management of a port. In addition, the course will provide an overall understanding, on how to manage a competitive and efficient port through the comprehension and analysis of the socioeconomic environment. Further on, it will allow students to comprehend the relationship between ports and their broader environment which is characterized by the increasing internationalization in the field of transport, as well as by rapid related developments, worldwide.

The course's material aims to educate and familiarize students with all the basic notions of our modern society, which is characterized by the increasing dependence on transport on social, economic and political basis. As such, the holistic comprehension of managing a competitive and effective port is undoubtedly expected to be examined through the understanding of the socioeconomic environment.

Thus, the relationship between ports and their urban, economical and broader environment, as it is formed by the increased internationalization in the fields of transports, as well as by global developments in research, technology, ICT, etc. is examined.

The course introduces Port Planning, as applied on a national level, within European transportation networks, on national based port master planning, as well as in equipment planning procedures. Within this context, Port Finance as part of the port planning process is analyzed, along with the criteria for port investments and the Marine Traffic Management in ports, while further elaboration on issues concerning ports' communication systems (E.D.I.), Port Statistics as well as Port Marketing will take place.

By successfully completing this course, the student will be able to:

- Understand the importance of human resources management within a rapidly changing port industry and within regional development.
- Comprehend the dimensions of managing a competitive and effective port through the understanding of its socioeconomic environment.
- Perceive the importance of port systems for the European economy, thus understanding their role as an integral part of the European transport system, while also the role of E.U in developing port policies.
- Understand the influence of all the aforementioned issues on common transport policies, especially in reference to issues with an increasing interest for the port industry such as the economical and social coherence, as well as issues concerning the sustainable mobility.
- Identify the broader PESTEL factors, affecting the formation of a port's master plan.
- Distinguish the main roles and the importance of a specific port terminal, or a case study based on a related project, thus assessing the role and the consequences on the interested parties (stakeholders).
- Analyze and evaluate the impact of externalities both to the local economy and the hinterland, as an outcome of a port terminal's operation.
- Cooperate with his/her fellow students in order to examine possible forms of effective port management and operation, from the perspective of a user, of a producer, of an investor, or on behalf of the local communities.

### **General Competences**

*Taking into consideration the general competences that students/graduates must acquire (as described in the Diploma's Annex and listed below), to which of the following does the course aim?*

*Research, analysis and synthesis of data and      Project planning and management*

<i>information by the utilization of appropriate technologies,</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Individual/Independent work</i> <i>Group/Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Development of innovative ideas</i>	<i>Respect for diversity and multiculturalism</i> <i>Environmental awareness</i> <i>Social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Critical thinking</i> <i>Promotion of free, creative and inductive thinking</i> ..... <i>(Other.....citizenship, spiritual freedom, social awareness, altruism etc.)</i> .....
<i>Adapting to new situations and decision-making</i> <i>Individual work</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i>	

### (3) COURSE CONTENT

<p>Course material is comprised of modules with the following content:</p> <ul style="list-style-type: none"> <li>• Port Planning: Definition, conceptual references, port planning levels. From National Port Planning to Master Plan of Port.</li> <li>• Port Planning and the EU politics as portrayed in the text «Unto a Union’s future maritime policy: A European vision about the oceans and the seas».</li> <li>• Port Terminals’ development. Port generations: Towards the fourth generation.</li> <li>• Factors affecting the basic-level port planning: Supply and demand.</li> <li>• Information’ sharing and electronic systems in port industry.</li> <li>• Optimal size in port industry.</li> <li>• Port marketing as an instrument for port planning.</li> <li>• Port Planning statistics and useful planning indexes.</li> <li>• Managing a port’s terrestrial and sea zone day-to-day «marine traffic»: Port Operations’ and Communications’ Center.</li> <li>• Human Resources Management within the modern port industry.</li> <li>• Port Planning Framework for Quality &amp; Safety.</li> <li>• Port – City Relations. A dynamic coexistence.</li> </ul>
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### (4) TEACHING METHODS--ASSESSMENT

<b>MODES OF DELIVERY</b> <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>	In-class lecturing
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b> <i>Use of ICT in teaching, in Laboratory Education, in the Communication</i>	Use of ICT in teaching and in communication with the students.

<i>with students</i>													
<p><b>COURSE DESIGN</b></p> <p><i>Detailed description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, project elaboration, Essay writing, Artistic creativity, etc.</i></p> <p><i>The study hours for each learning activity as well as the hours of self-directed study are given following the principles of the ECTS.</i></p>	<table border="1"> <thead> <tr> <th><i>Activity/Method</i></th> <th><i>Semester workload</i></th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td style="text-align: center;">52</td> </tr> <tr> <td>Case Studies</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Individual or Team Essay Writing</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Non guided study</td> <td style="text-align: center;">58</td> </tr> <tr> <td style="text-align: center;"><b>Total</b></td> <td style="text-align: center;">150</td> </tr> </tbody> </table>	<i>Activity/Method</i>	<i>Semester workload</i>	Lectures	52	Case Studies	10	Individual or Team Essay Writing	30	Non guided study	58	<b>Total</b>	150
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	Case Studies	10											
	Individual or Team Essay Writing	30											
	Non guided study	58											
<b>Total</b>	150												
<p><b>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</b></p> <p><i>Detailed description of the evaluation procedures:</i></p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students.</i></p>													
<p>Written examination (80%) with the following content:</p> <ul style="list-style-type: none"> <li>- Viewpoint questions</li> <li>- Case Studies</li> <li>- Comparative evaluation of theory elements</li> </ul> <p>Team written essays and participation in discussions through e-class platform, will be taken into consideration (20%).</p>													

## (5) SUGGESTED BIBLIOGRAPHY:

*-Suggested bibliography:*

*-Relevant Scientific Journals:*

1. Chlomoudis C., "Port Industry, Trends and Developments: Companies & Systems in the Age of Competition in Port Organization and Operations", (Greek edition) Papazisis Publications, 2012, ISBN 978-960-02-2613-3.
2. "Port Planning in the Modern Port Industry", Uploaded as a soft copy in e-class, J&J Hellas Publications, Piraeus, 2006, ISBN: 960-8461-49-9.
3. "European Port Policy: Towards a Long Term Strategy". (Chlomoudis, C.I. and Pallis A.A), Cheltenham Edward Elgar, ISBN 1843760932. Series Editor: K. Button. Economics- Management and Policy Cambridge, UK-Northampton, USA 2002
4. Teaching Notes and contemporary articles

**Teaching Notes, and contemporary literature**

- Tutor's notes provided through e-class

**Relevant Scientific Journals:**

- Maritime Policy and Management
- International Journal of Shipping and Transport Logistics