

## COURSE OUTLINE

### (1) General information

|   |   |                             |                          |
|---|---|-----------------------------|--------------------------|
| <b>FACULTY/SCHOOL</b>   | Maritime and Industrial Studies   |                             |                          |
| <b>DEPARTMENT</b>   | Maritime Studies  |                             |                          |
| <b>LEVEL OF STUDY</b>   | Bachelor  |                             |                          |
| <b>COURSE UNIT CODE</b>   | NA305   |                             | 6 <sup>th</sup> Semester |
| <b>COURSE TITLE</b>   | Port Economics  |                             |                          |
| <b>INDEPENDENT TEACHING ACTIVITIES</b><br><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, give the weekly teaching hours and the total credits</i> |   | <b>WEEKLY TEACHNG HOURS</b> | <b>CREDITS</b>           |
|   |   |                             |                          |
| <i>Add rows if necessary. The organization of teaching and the teaching methods used are described in detail under section 4</i>  |   | 4                           | 6                        |
| <b>COURSE TYPE</b><br><i>Background knowledge,<br/>Scientific expertise,<br/>General Knowledge,<br/>Skills Development</i>  | General Knowledge   |                             |                          |
| <b>PREREQUISITE COURSES:</b>  | 1. Introduction to Port Economis<br>2. Microeconomics or Business Economics                 |                             |                          |
| <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/NAS102">https://eclass.unipi.gr/courses/NAS102</a> |                             |                          |

## (2) LEARNING OUTCOMES

### **Learning Outcomes**

*The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) 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**

- *Guidelines for writing Learning Outcomes*

*The aim of this course is the economic analysis of the port as a company and of the Port Authority. It is examined the crucial role of a port due to the progress of the global economy while at the same time has been happening the formation of the integrated transport systems.*

#### **Specific Targets:**

- *How can be an efficient Port production*
- *To realize that port effectiveness is happening by increasing competitiveness at both regional and intra-port level*
- *The understanding that each port Terminal has a basic target: to accomplish high competitiveness by the combination of reducing the cost (low prices) and increasing the quality of the port product*

*The tools for this course will be microeconomic theory and industrial organization theory.*

*After the end of the course, students will be able:*

- *to know the necessary basis at theoretical as well as at practical level (knowledge)*
- *to understand both the role of a port and the port cluster's products in order to exist efficiently a competitive and contemporary transport system (comprehension)*
- *to recognize the demand as well as the supply factors of this market (comprehension)*
- *to examine all the economic issues that lead at a competitive company (rules of production, cost, pricing, quality) (knowledge and evaluation)*
- *to understand the contemporary role of Port Industry in order to be able to analyze any new situation or trend that arises and leads to port competition (knowledge and analysis)*
- *to achieve an effective strategy for port policy investments competition (knowledge and analysis)*
- *be familiar with the international organization policies as well as EU policies for environmental issues, in order to be able to evaluate the cost for the port as well as for the society*

### **General Competences**

*Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?*

*Search for, analysis and synthesis of data and information by the use of appropriate technologies,  
Adapting to new situations  
Decision-making*

*Project planning and management  
Respect for diversity and multiculturalism  
Environmental awareness  
Social, professional and ethical responsibility and sensitivity to gender issues*

|  |   |
|--|---|
| <i>Individual/Independent work</i><br><i>Group/Team work</i><br><i>Working in an international environment</i><br><i>Working in an interdisciplinary environment</i><br><i>Introduction of innovative research</i>   | <i>Critical thinking</i><br><i>Development of free, creative and inductive thinking</i><br>.....<br><i>(Other.....citizenship, spiritual freedom, social awareness, altruism etc.)</i><br>..... |
| <ul style="list-style-type: none"> <li>• Adapting to new situations</li> <li>• Decision Making</li> <li>• Individual work or Team Work throughout the Papers they need to accomplish</li> <li>• Critical thinking</li> <li>• Development of free, creative and inductive thinking</li> </ul> |   |

### (3) COURSE CONTENT

|   |
|---|
| <ol style="list-style-type: none"> <li>1. Port, Port Authority and Port Operator</li> <li>2. Demand of Port Product</li> <li>3. Prediction Demand of Port Product</li> <li>4. Supply of Port Product</li> <li>5. Excessive Demand and congestion in ports</li> <li>6. Port Production</li> <li>7. Measuring of Productivity of Container Terminals</li> <li>8. Production Cost of Port Product</li> <li>9. Economy Scale of Ports/Terminals</li> <li>10. The cost of port congestion</li> <li>11. The cost of Safety and Security in Ports</li> <li>12. The cost of environmental protection of Ports</li> <li>13. Competition and Competitiveness in Port Industry</li> <li>14. Pricing Strategy for the Port Product and its complementary products (e.g towing)</li> </ol> |
|---|

### (4) TEACHING METHODS--ASSESSMENT

|  |   |
|--|---|
| <b>MODES OF DELIVERY</b><br><i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>                          | In-class lecturing<br><br>Face to face (for queries for the lesson or the exercises being given)  |
| <b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b><br><i>Use of ICT in teaching, Laboratory Education, Communication with students</i> | Use of ICT in teaching (e-class) <ul style="list-style-type: none"> <li>• notes of the lesson</li> <li>• communication with students</li> </ul> |

| <p><b>COURSE DESIGN</b></p> <p><i>Description of teaching techniques, practices and methods:<br/>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, 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.in</i></p>   | <table border="1"> <thead> <tr> <th>Activity/Method</th><th>Semester workload</th></tr> </thead> <tbody> <tr> <td>Case Studies</td><td>25</td></tr> <tr> <td>Lectures</td><td>50</td></tr> <tr> <td>Non – guided study</td><td>75</td></tr> <tr> <td><b>Total</b></td><td><b>150</b></td></tr> </tbody> </table> | Activity/Method | Semester workload | Case Studies | 25 | Lectures | 50 | Non – guided study | 75 | <b>Total</b> | <b>150</b> |
|---|--|-----------------|-------------------|--------------|----|----------|----|--------------------|----|--------------|------------|
| Activity/Method   | Semester workload  |                 |                   |              |    |          |    |                    |    |              |            |
| Case Studies  | 25   |                 |                   |              |    |          |    |                    |    |              |            |
| Lectures  | 50   |                 |                   |              |    |          |    |                    |    |              |            |
| Non – guided study  | 75   |                 |                   |              |    |          |    |                    |    |              |            |
| <b>Total</b>  | <b>150</b>   |                 |                   |              |    |          |    |                    |    |              |            |
| <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>The teaching of the course as well as the evaluation is in Greek language.</p> <p>Oral Exam (90%)</p> <ul style="list-style-type: none"> <li>• short-answer questions</li> <li>• open-ended questions</li> </ul> <p>Reward of students who during the lessons are making interesting interventions (10%)</p>  |                 |                   |              |    |          |    |                    |    |              |            |

## (5) SUGGESTED BIBLIOGRAPHY:

-Suggested bibliography:

1. Port Economics and Policies Aggeliki Pardali, 2007, Stamoulis Publications, Athens

2. Specified notes and sources uploaded in e-class platform

3. Scientific Magazines

- **Marine Policy**, [www.sciencedirect.com/science/journal/0308597X](http://www.sciencedirect.com/science/journal/0308597X)
- **Maritime Policy & Management**, [http://taylorandfrancis.metapress.com/\(uqr2ej55egfz1z55iggn103x\)/app/home/](http://taylorandfrancis.metapress.com/(uqr2ej55egfz1z55iggn103x)/app/home/)