

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	School of Business		
<b>ACADEMIC UNIT</b>	Department of Shipping, Trade and Transport		
<b>LEVEL OF STUDIES</b>	Undergraduate		
<b>COURSE CODE</b>	TE0023	<b>SEMESTER</b>	6 <sup>o</sup>
<b>COURSE TITLE</b>	Transport and Environment II		
<b>INDEPENDENT TEACHING ACTIVITIES</b> <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>		<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>
Lectures		3	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
<b>COURSE TYPE</b> <i>background course, subject area course, general knowledge course, skills' development course</i>	Subject area course		
<b>PREREQUISITE COURSES:</b>	None		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek and/or English in case an Erasmus student selects the course		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	Yes		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.aegean.gr/courses/TNEY155/">https://eclass.aegean.gr/courses/TNEY155/</a>		

### (2) LEARNING OUTCOMES

<b>Learning outcomes</b> <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> <i>Consult Appendix A</i> <ul style="list-style-type: none"> <li>• Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</li> <li>• Descriptors for Levels 6, 7 &amp; 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</li> <li>• Guidelines for writing Learning Outcomes</li> </ul>			
After successfully completing this course, the students will be able to: <ul style="list-style-type: none"> <li>• Know the most important impacts of shipping on the environment,</li> <li>• Know the most important provisions of MARPOL's six technical Annexes,</li> <li>• Identify and use reliable sources of information on the subject in English and Greek.</li> </ul>			
<b>General Competences</b> <i>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?</i> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i>  <i>Adapting to new situations</i>  <i>Decision-making</i>  <i>Working independently</i>  <i>Team work</i>  <i>Working in an international environment</i>  <i>Working in an interdisciplinary environment</i>  <i>Production of new research ideas</i> </td><td style="vertical-align: top; width: 50%;"> <i>Project planning and management</i>  <i>Respect for difference and multiculturalism</i>  <i>Respect for the natural environment</i>  <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i>  <i>Criticism and self-criticism</i>  <i>Production of free, creative and inductive thinking</i>  <i>.....</i>  <i>Others...</i> </td></tr> </table>		<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>.....</i> <i>Others...</i>
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<ul style="list-style-type: none"> <li>• Search for, analysis and synthesis of data and information, with the use of the necessary technology</li> <li>• Working in an interdisciplinary environment</li> <li>• Respect for the natural environment</li> <li>• Production of free, creative and inductive thinking</li> </ul>

### (3) SYLLABUS

<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Interactions of shipping with the environment.</li> <li>• Marine pollution from oil, hazardous substances, sewage and waste.</li> <li>• Atmospheric pollution from shipping</li> <li>• Shipping and climate change.</li> <li>• Annexes I to VI of MARPOL</li> </ul>
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### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>DELIVERY</b> <i>Face-to-face, Distance learning, etc.</i>	Face-to-face and distance learning	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b> <i>Use of ICT in teaching, laboratory education, communication with students</i>	<ul style="list-style-type: none"> <li>• Lectures using computer presentations and video</li> <li>• Support of learning and communication with the students using the e-learning platform e-class</li> </ul>	
<b>TEACHING METHODS</b> <i>The manner and methods of teaching are described in detail.</i> <i>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.</i>  <i>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>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	39 hours
	Study and analysis of bibliography	25 hours
	Fieldwork	5 hours
	Essay writing	15 hours
	Non-directed study	41 hours
	Course total	125 hours
<b>STUDENT PERFORMANCE EVALUATION</b> <i>Description of the evaluation procedure</i>  <i>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</i>  <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Language of evaluation: Greek  At the end of the course, students will have a written final exam.  Types of questions: multiple choice questionnaire..  The rating will be formed: 1) <ul style="list-style-type: none"> <li>• From the final written examination (30% of the grade)</li> <li>• From an essay (70% of the grade)</li> </ul> Or 2) From the final written examination (100% of the grade)	

### (5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography: <ul style="list-style-type: none"> <li>• Vougias S. 2008. <i>Transport and the Environment</i>, University Studio Press, Thessaloniki (in Greek).</li> <li>• Kotrikla A.M. 2016. <i>Shipping and the Environment</i>, Repository for Greek Academic Electronic Textbooks, Hellenic Academic Libraries Link (in Greek), available at <a href="https://repository.kallipos.gr/handle/11419/5478">https://repository.kallipos.gr/handle/11419/5478</a></li> <li>• Kotrikla, AM, 2023. <i>Lecture notes</i>. <a href="https://eclass.aegean.gr/courses/TNEY155/">https://eclass.aegean.gr/courses/TNEY155/</a></li> </ul>
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- *Related academic journals:*

- *Transportation Research Part D: Transport and Environment*