

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Business				
ACADEMIC UNIT	Department of Shipping, Trade and Transport				
LEVEL OF STUDIES	Undergraduate				
COURSE CODE	TE0023	SEMESTER	6 ^o		
COURSE TITLE	Transport and Environment II				
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			
Lectures	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>background course, subject area course, general knowledge course, skills' development course</i>	Subject area course				
PREREQUISITE COURSES:	None				
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek and/or English in case an Erasmus student selects the course				
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes				
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/TNEY155/				

(2) LEARNING OUTCOMES

Learning outcomes <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>Consult Appendix A</p> <ul style="list-style-type: none"> • 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
After successfully completing this course, the students will be able to: <ul style="list-style-type: none"> • Know the most important impacts of shipping on the environment, • Know the most important provisions of MARPOL's six technical Annexes, • Identify and use reliable sources of information on the subject in English and Greek.
General Competences <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>

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<ul style="list-style-type: none"> • Search for, analysis and synthesis of data and information, with the use of the necessary technology • Working in an interdisciplinary environment • Respect for the natural environment • Production of free, creative and inductive thinking

(3) SYLLABUS

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

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

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

- *Transportation Research Part D: Transport and Environment*