

Environmental Management

COURSE OUTLINE

SCHOOL	Maritime and Industrial Studies		
ACADEMIC UNIT	Maritime Studies		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	MIS146	SEMESTER	2nd
COURSE TITLE	ENVIRONMENTAL 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	7.5
<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>	<i>Special background, specialised general</i>		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:			
IS THE COURSE OFFERED TO ERASMUS STUDENTS			
COURSE WEBSITE (URL)			

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>Adapting to new situations and making decisions</p> <p>Work independently as well as in groups and teams</p> <p>Work in an international environment</p> <p>Work in an interdisciplinary environment</p> <p>Generating new research ideas</p> <p>Project planning and management</p> <p>Respect for diversity and multiculturalism</p> <p>Respect for the natural environment</p> <p>Demonstrating social, professional and ethical responsibility and sensitivity to gender issues</p> <p>Criticism and self-criticism</p> <p>Production of free, creative and inductive thinking</p>
<p>General Competences</p> <p><i>Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma</i></p>

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

.....

Others...

.....

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 interdisciplinary environment

Production of new research ideas

Project planning and management

Respect for the natural environment

Criticism and self-criticism

Production of free, creative and inductive thinking

SYLLABUS

Introduction to the environmental challenges facing the coastal zone and ports

Environmental management and quality assurance tools

The tools offered by ESPO: Self Diagnosis Methodology (SDM) and Port Environmental Review
System (PERS).

PERS in comparison to ISO 14001 and EMAS

Blue Flag and Golden Anchor tourist port certifications

Port State Control and Paris MoU as tools for quality shipping

Use of satellite data for the development of Integrated Coastal Zone Management

Contemporary challenges facing European ports

TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Distance learning through the TEAMS platform	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in lecturing/teaching Use of the TEAMS platform	
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> <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>	Activity	Semester workload
	Lectures	30
	Case Study analysis and discussion	45
	Independent learning	112.5
	Course total	187.5
STUDENT PERFORMANCE EVALUATION <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>	Written final exam (100%) in English mainly with multiple choice question, including short answer questions based on lectures and outside reading.	

ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

B.S. Tselentis *Environment and Shipping*, Chapter 9, Stamoulis editions Athens 2008.

- Related academic journals:

Dalley R. & Deeming, K. (1994). "Ports and the Environment". CSM, *The Official Journal of the RICS* Vol. 3, Part 5.32

C.F. Wooldridge and A.D. Couper: "Validity of Scientific Criteria for Environmental Auditing of Port and Harbour Operations", July 1995.

Επιτροπή των Ευρωπαϊκών Κοινοτήτων, Πράσινη Βίβλος σχετικά με τους θαλάσσιους λιμένες και τις ναυτιλιακές υποδομές
 C.F. Wooldridge, B.S. Tselentis, D. Whitehead, "Environmental management of port operation – the ports sector's response to the European Dimension", *Maritime Engineering and Ports*, σσ.227-242. Εκδ. C.A. Brebbia και Sciutto, Wessex Institute of Technology Press, Southampton, UK, 1998.

ESPO Bulletin.... http://europa.eu.int/comm/energy_transport/etif/transport_goods_a/performance_by_mode_tkm.html...