COURSE OUTLINE

(1) General information

FACULTY/SCHOOL	TECHNOLOGY		
DEPARTMENT	ENVIRONMENTAL SCIENCES		
LEVEL OF STUDY	*Undergraduate*		
COURSE UNIT CODE	NEW **COURSE**	**SEMESTER**	$5^{th} – 7^{th}$
COURSE TITLE	COASTAL AREA MANAGEMENT		

INDEPENDENT TEACHING ACTIVITIES 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	**WEEKLY TEACHNG HOURS**	**CREDITS**
THEORETICAL BACKGROUND	4	4
LABORATORY PRACTICE	-	-
TOTAL	4	4

COURSE TYPE Background knowledge, Scientific expertise, General Knowledge, Skills Development	Scientific area: environmental management and restoration
PREREQUISITE COURSES:	No
LANGUAGE OF INSTRUCTION &EXAMINATION/ASSESSMENT:	Greek
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes
COURSE WEBSITE (URL)	

(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 course deals with a number of different topics related to the ecology of coastal ecosystems as a necessary basic component of knowledge on issues related to the Integrated Coastal Zone Management. Specifically, it concerns their biological knowledge and their familiarity with ecology and management issues with emphasis on the coastal marine environment. Students delve deeper into the impact of anthropogenic activities on the coastal environment, the assessment of the ecological situation in

coastal ecosystems, the quality of bathing water and finally the development policy of Marine Protected Areas as tools for protecting the development of biodiversity and threats. with an emphasis on the Mediterranean.

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,	*Project planning and management*
Adapting to new situations	*Respect for diversity and multiculturalism*
Decision-making	*Environmental awareness*
Individual/Independent work	*Social, professional and ethical responsibility and sensitivity to gender issues*
Group/Team work	*Critical thinking*
Working in an international environment	*Development of free, creative and inductive thinking*
Working in an interdisciplinary environment	*……*
Introduction of innovative research	*(Other…….citizenship, spiritual freedom, social awareness, altruism etc.)*
	…….

- *Search for, analysis and synthesis of data and information by the use of appropriate technologies,*
- *Decision-making*
- *Individual/Independent work*
- *Group/Team work*
- *Environmental awareness*
- *Critical thinking*
- *Development of free, creative and inductive thinking*

(3) COURSE CONTENT

1. Types and habitats of protection in the coastal and marine environment
2. Water framework directive 2000/60 & ecological indicators
3. Ecology of planktonic organisms in coastal aquatic ecosystems
4. The modern approach to ecology: from standards to processes
5. The protection and management of coastal ecosystems
6. Maritime strategy in the Mediterranean environment
7. Maritime spatial planning

(4) TEACHING METHODS-ASSESSMENT

MODES OF DELIVERY Face-to-face, in-class lecturing, distance teaching and distance learning etc.	• Lectures • Semester projects - homework
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY Use of ICT in teaching, Laboratory Education, Communication with students	• Powerpoint presentation. • e-mail communication. • e-class theory and exercises

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<tr>
<td>COURSE DESIGN
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, projects, Essay writing, Artistic creativity, etc.

The study hours for each learning activity as well as the hours of self-directed study are given following the principles of the ECTS.</td>
<td>
<table>
<tr><th>Activity/Method</th><th>Semester workload</th></tr>
<tr><td>Lectures</td><td>39</td></tr>
<tr><td>Workshop</td><td>13</td></tr>
<tr><td>Laboratory work</td><td>-</td></tr>
<tr><td>Theory study</td><td>38</td></tr>
<tr><td>Weekly individual evaluation reports for laboratory exercises</td><td>10</td></tr>
<tr><td>Course total
(25 hours of workload per credit unit)</td><td>100</td></tr>
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<td>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS
Detailed description of the evaluation procedures:

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.

Specifically, defined evaluation criteria are stated, as well as if and where they are accessible by the students.</td>
<td>• Final examinations
• Students should watch at least half seminars
• Work will be given during the semester to be assessed at a rate of 30% on the final grade.

<u>Final Grade</u>
70% in Final Exams + 30% in the semester projects</td>
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</table>

(5) SUGGESTED BIBLIOGRAPHY:

-<u>Suggested bibliography</u>

- KOUTSOUBAS D., 2005. Marine Biodiversity and Sustainable Development in the Mediterranean as Axes for Environmental Education. 'Environmental Education, Research Data and Educational Planning', Kaila M., Theodoropoulou E., Dimitriou A., Xanthakou G. & N. Anastasatos (ed.), ATRAPOS Publications, 2005, Chapter 8.3., P. 448-465.

-CHINTIROGLOU CH., ANTONIADOU CH. VAFIDIS D. & D. KOUTSOUBAS, 2005. Biota of the Sea Bed: Zoobenthos: Hard Substrate Communities. In: 'SoHelME, 2005. State of the Hellenic Marine Environment', Papathanasiou V. & A. Zenetos (eds), H.C.M.R. Publications, 360 pp, Chapter VI, VI.5, pp. 247-254.

-THESSALOU-LEGAKI M. & A. LEGAKIS, 2005. Conservation of the Hellenic Marine Biodiversity. In:'SoHelME, 2005. State of the Hellenic Marine Environment', Papathanasiou V. & A. Zenetos (eds), H.C.M.R. Publications, 360 pp, Chapter VI, VI.5, pp. 260-270

-<u>Complementary bibliography</u>

Teacher's notes and the full lecture material, which are available through the asynchronous education platform