

COURSE OUTLINE

(1) GENERAL

SCHOOL	Maritime and Industrial Studies		
ACADEMIC UNIT	Maritime Studies		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAAΓ42	SEMESTER	Spring semester elective
COURSE TITLE	Blue Growth and Integrated Coastal Zone Management		
INSTRUCTOR'S NAME	Professor Fani Sakellariadou		
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	4	6	
<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>	Special background		
PREREQUISITE COURSES:	No		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

<p>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> <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>Upon successful completion of the course, the students will</p> <ul style="list-style-type: none"> • Understand the value of the Ocean • Be able to apply the ecosystem services methodology • Be aware of the sustainable blue economy concept • Know the importance of keeping the Global Ocean safe • Understand the concept of blue growth and its importance. (comprehension). • Understand the importance, sensitivity and vulnerability of the coastal zone (comprehension). • Know and understand the objectives and feasibility of integrated coastal zone management (ICZM) (knowledge & comprehension). • Understand the parameters related to coastal zone management and the difficulty in its implementation (perception & evaluation)
<p>General Competences <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	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment
Production of new research ideas	Others...

Decision-making
Respect for the natural environment
Adapting to new situations
Promotion of free, creative and inductive thinking

(3) SYLLABUS

- ✓ The Blue Growth concept: Established, emerging, unborn marine industries. Sustainable development and blue growth.
- ✓ Coastal and marine tourism
- ✓ Aquaculture.
- ✓ Marine biotechnology.
- ✓ Offshore energy.
- ✓ Offshore oil drilling
- ✓ Seabed mining.
- ✓ Definition of the coastal zone. Categories and characteristics of coastal ecosystems. Importance of the coastal zone. Agenda 2030.
- ✓ The greenhouse effect. Coastal defense management and planning.
- ✓ Ecological and economic services of marine ecosystems. Main problems in coastal zones.
- ✓ Multiple stressors
- ✓ The ecosystem approach.
- ✓ Problems and challenges on the European coasts. Main trends in the Mediterranean.

(4) TEACHING and LEARNING METHODS - EVALUATION

<p style="text-align: center;">DELIVERY <i>Face-to-face, Distance learning, etc.</i></p>	Face-to-face	
<p style="text-align: center;">USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i></p>	Use of computers and the Internet. Support of the learning process through the e-class and the ms-teams online platform.	
<p style="text-align: center;">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>	Activity	Semester workload
	Lectures	52
	Essay	40
	Student study	58

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Blue Economy in the Mediterranean. Eco-union, 71p. https://www.ecounion.eu/wp-content/uploads/2018/01/UfMS_Blue-Economy_Report_Template-UFM_FINAL.pdf
2. European Commission 2020. The EU Blue Economy Report 2020, Publications of the European Union, Luxembourg.
3. European Commission, Blue Growth - opportunities for marine and maritime sustainable growth, Brussels, 2012, COM(2012), 494 final.
4. European Commission, Innovation in the Blue Economy: Realising the Potential of Our Seas and Oceans for Jobs and Growth, Brussels, 2014. <http://dx.doi.org/10.1017/CBO9781107415324.004>
5. Burgess, Matthew & Clemence, Michaela & R Mcdermott, Grant & Costello, Christopher & Gaines, Steven. (2016). Five rules for pragmatic blue growth. Marine Policy. 87. 10.1016/j.marpol.2016.12.005.
6. Eikeset Anne Maria & Mazarella, Anna & Davidsdottir, Brynhildur & Klinger, Dane & A. Levin, Simon & Rovenskaya, Elena & Stenseth, Nils Chr. (2018). What is blue growth? The semantics of "Sustainable Development" of marine environments. Marine Policy. 87. 177-179. 10.1016/j.marpol.2017.10.019.
7. BROMMER, M.B. and BOCHEV-VAN DER BURGH, L.M., 2009. Sustainable coastal zone management: a concept for forecasting long-term and large-scale coastal evolution. *Journal of Coastal Research*, 25(1), 181–188. West Palm Beach (Florida), ISSN 0749-0208.: DOI: 10.2112/07-0909.1
8. Schernewski, Gerald. (2002). Integrated Coastal Zone Management (ICZM): From European strategy to practice in Germany.
9. UNEP/MAP/PAP: White paper. Coastal zone management in the Mediterranean. Split, Priority Actions Programme, 2001.

- *Related academic journals:*

Coastal management

Ocean and coastal management

Journal of coastal management