COURSE OUTLINE

(1) GENERAL

SCHOOL	Maritime and Industrial Studies		
ACADEMIC UNIT	Maritime Studies		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	ΝΑΑΓΓ41	**SEMESTER**	3
COURSE TITLE	Ocean Governance and Maritime Industries / Θαλάσσια Διακυβέρνηση και Ναυτιλία		
INSTRUCTOR'S NAME	Assistant Professor Anastasia Christodoulou		

INDEPENDENT TEACHING ACTIVITIES *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*	**WEEKLY TEACHING HOURS**	**CREDITS**
	4	6
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	General background
PREREQUISITE COURSES:	
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English
IS THE COURSE OFFERED TO ERASMUS STUDENTS	
COURSE WEBSITE (URL)	eclass.unipi.gr

(2) LEARNING OUTCOMES

Learning outcomes

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.

Consult Appendix A

- *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*

Upon successful completion of this course, students will be able to:

1. Understand critical issues regarding environmental impacts of the shipping industry.
2. Build upon a concise framework that integrates ocean governance and sustainable development.
3. Understand the value and economic potential of the various blue growth sectors.
4. Learn the existing and future environmental legislative framework as expressed by the IMO, the EU and other governing bodies.
5. Demonstrate comprehensive knowledge of the prospects and challenges related to shipping decarbonization.

General Competences

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?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	*Project planning and management*
	Respect for difference and multiculturalism

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*	*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
- Working independently
- Team work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for the natural environment
- Production of free, creative and inductive thinking

(3) COURSE CONTENT

- Ocean governance and sustainable development (UN Sustainable Development Goals (UN SDGs), UNCLOS)
- Introduction to the ecosystem-based management (EBM) approach
- Marine Protected Areas
- The Blue Economy Concept - Blue Growth Sectors
- Maritime environmental issues and the role of the IMO
- The MARPOL 73/78 Convention
- Ballast Water Management Convention
- The Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships
- Climate change and the shipping industry (Global regulatory framework)
- Market-based Measures (MBMs) for the abatement of GHG emissions from shipping
- European Green Deal and shipping (Inclusion of shipping in the EU Emission Trading System (EU ETS), FuelEU Maritime Regulation)

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Use of the electronic platform eclass
TEACHING METHODS *The manner and methods of teaching are described in detail.* *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.* *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*	

Activity	*Semester workload*
Lectures, exercises & applications, laboratory exercises	52
Self-study	98
Written assignments	
Final exams	
Course total	**150**

The module will be assessed on the basis of two components:

a) Individual performance (20%): class participation, assignments, cases, exercises, tests
b) Written exams (80%): A final written exam

STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *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* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	

(5) SUGGESTED BIBLIOGRAPHY

Suggested bibliography:

- Kimball, L. A. (2003). International ocean governance: using international law and organizations to manage marine resources sustainably. IUCN, Gland, Switzerland and Cambridge, UK.
- Ehlers, P. (2016). Blue growth and ocean governance—how to balance the use and the protection of the seas. WMU Journal of Maritime Affairs, 15, 187-203.
- Reker J. et al. (2015): Marine Protected Areas in Europe's Seas. An overview and perspectives for the future. EEA Report no 3/2015.
- Walker, T. R., Adebambo, O., Feijoo, M. C. D. A., Elhaimer, E., Hossain, T., Edwards, S. J., ... & Zomorodi, S. (2019). Environmental effects of marine transportation. In World seas: an environmental evaluation (pp. 505-530). Academic Press.

Additional Course Material:

- Course slides
- Selected academic articles

Related academic journals:

- Transportation Research Part D
- Marine Policy
- Marine Pollution Bulletin
- Ocean and Coastal Management
- Maritime Policy and Management
- Maritime Economics and Logistics