

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Naval Architecture		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	NAOME1349	SEMESTER	7 th
COURSE TITLE	PORT MANAGEMENT AND OPERATIONS		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS (ECTS)
Lectures		3	4
COURSE TYPE <i>general background, specialbackground, specialised general knowledge, skills development</i>	Specialised		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.uniwa.gr/courses/NA260/		

(2) COURSE GOALS / LEARNING OUTCOMES

The aim of the course is to familiarize the students with port operations and their role in the maritime transport chain. The course material also aims to introduce students to issues related to port design and development, port competitiveness, the port services and facilities and the application of optimization methods. Finally, students will gain knowledge of the authorities and regulations governing port facilities.

(3) COURSE CONTENT / SYLLABUS

- The role of ports in the maritime transport chain. Port services and facilities.
- Port design and development. Loading, unloading, storage and management of cargo. Types of terminals.
- Maritime traffic management issues, ship-port interconnection.
- Organization and management of ports.
- Port authorities and responsibilities.
- International Ship and Port Facility Security Code (ISPS).
- Port competitiveness.
- Investments (expansion, improvement and maintenance of port infrastructure and shipbuilding zone).
- Intermodal transport projects with private investment.
- Automation of port operations. New generation port security systems (smart systems). Integrated information systems.
- Green ports, Sustainable development, Environmental management practices.

- The cost of quality in ports.

(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	<ul style="list-style-type: none"> • Use of ICT in teaching. • Support learning through the electronic e-class platform. 	
TEACHING METHODS <i>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</i>	Activity	Workload (hours)
	Lectures	39
	Case study project	26
	Homework assignments	13
	Study of Lectures	39
	Course total	117
STUDENT PERFORMANCE EVALUATION <i>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</i>	<ul style="list-style-type: none"> i) Written final examination (80%). ii) Evaluation of technical work reports (20%). 	

(5) ATTACHED BIBLIOGRAPHY

1. Dynamic Shipping and Port Development in the Globalized Economy [electronic resource], Paul Yae-Woo Lee, Kevin Cullinane, 2016, ISBN: 9781137514233, HEAL-Link Springer ebooks. Κωδικός Βιβλίου στον Εύδοξο: 75484656.