

## COURSE OUTLINE

### (1) GENERAL

<b>SCHOOL</b>	School of Engineering		
<b>ACADEMIC UNIT</b>	Department of Naval Architecture		
<b>LEVEL OF STUDIES</b>	Undergraduate		
<b>COURSE CODE</b>	NAOE1342	<b>SEMESTER</b>	6 <sup>st</sup>
<b>COURSE TITLE</b>	<b>MARITIME TRANSPORT ECONOMICS</b>		
<b>INDEPENDENT TEACHING ACTIVITIES</b>		<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS (ECTS)</b>
<b>Lectures</b>		4	4
<b>COURSE TYPE</b> <i>general background, specialbackground, specialised general knowledge, skills development</i>	Specialized		
<b>PREREQUISITE COURSES:</b>			
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	Yes		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.uniwa.gr/courses/NAFP167/">https://eclass.uniwa.gr/courses/NAFP167/</a>		

### (2) COURSE GOALS / LEARNING OUTCOMES

The aim of the course is to understand the basic principles of international maritime trade and the shipping industry. Emphasis is placed on the understanding of demand - supply of modern maritime transportation system, the operation of shipping companies and the role of ports in the transportation system. Particular emphasis is given to the study of charters and freight calculations.

### (3) COURSE CONTENT / SYLLABUS

**Lectures:**

- Financial organization of shipping market. The financial role of shipment.
- The international sea transportation system. The demand for sea transportation.
- World trade via mare. Geo allocation of sea trade. The global merchant fleet.
- Progress in shipbuilding technology, scale economies and ship size, cargo specialization, progress on cargo handling.
- Contribution of sea transportation. Bulk cargo (tramp) shipping. Liner shipping.
- Ferry transport. The European Commission Regulation on maritime cabotage. Short sea shipping.
- Port contribution in the transportation system. Port types. Congestion in ports. The largest ports in the world. Productivity of terminal stations. Port funding and investment.
- Structure and organization of a shipping company. Organization chart of the shipping company. Ship organization. Headquarters choice.

- Charters. Types of charters: single voyage charter, consecutive voyages charter, time charter, bare boat charter, contract of affreightment. Contract types. Management agreements. Freight scales. Freight calculation. Laytime calculation. Time charter calculation.
- Oil distribution network. Connection of fares and oil prices.
- Second hand shipment. Ship demolition. New ship order and scrap market.
- The private cost of providing maritime transport services.
- The social cost of providing maritime transport services. Maritime insurance.

#### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>DELIVERY</b> Face-to-face, Distance learning, etc.	Face-to-face	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b> Use of ICT in teaching, laboratory education, communication with students	<ul style="list-style-type: none"> <li>• Use of ICT in teaching.</li> <li>• Support learning through the electronic e-class platform.</li> </ul>	
<b>TEACHING METHODS</b> <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>	<b>Activity</b>	<b>Workload (hours)</b>
	Lectures	30
	Case study analysis	25
	Essay writing	30
	Study of Lectures	32
	Course total	<b>117</b>
<b>STUDENT PERFORMANCE EVALUATION</b> <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>	Lectures: Written examination (80%) Presentation of essay (20%)	

#### (5) ATTACHED BIBLIOGRAPHY

1. Elements of Shipping, 8th Edition, Alan Edward Branch, 2007, Publisher: Routledge, ISBN: 9780415362863.
2. UNCTAD Review of Maritime Transport, United Nations Conference on Trade and Development.
3. The International Handbook of Shipping Finance [electronic resource], Manolis G. Kavussanos, Ilias D. Visvikis, ISBN: 9781137465467, HEAL-Link Springer ebooks, Κωδικός Βιβλίου στον Εύδοξο: 75493855.