



# UNIVERSITY OF PIRAEUS

## 1) GENERAL

<b>SCHOOL</b>	ECONOMICS, BUSINESS AND INTERNATIONAL STUDIES		
<b>ACADEMIC UNIT</b>	ECONOMICS		
<b>LEVEL OF STUDIES</b>	UNDERGRADUATE		
<b>COURSE CODE</b>	<b>OKOIM69</b>	<b>SEMESTER</b>	3
<b>COURSE TITLE</b>	<b>Economics of Transportation and Shipping</b>		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures	4	5	
<b>COURSE TYPE</b>	SCIENTIFIC EXPERTISE		
<b>PREREQUISITE COURSES</b>	NO		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS</b>	GREEK		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	NO		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.unipi.gr/courses/OEP523">https://eclass.unipi.gr/courses/OEP523</a>		

## 2) LEARNING OUTCOMES

### Learning Outcomes

Upon successful completion of this course, students will be able to respond in the following parts:

- Knowledge: Through the analysis of its fundamental concepts, the student will acquire the necessary theoretical and applied knowledge required to understand the field of Shipping and Transport.
- Competences: Students are expected to possess specialized problem-solving skills essential for conducting research in the field of Transport and Shipping.
- Skills: Students are expected to be capable of managing and transforming work environments that are complex, unpredictable, and demand new strategic approaches, such as those found in the Transport and Shipping sector.

### General Competences

- Individual/Independent work
- Group/Teamwork
- Working in an international environment
- Working in an interdisciplinary environment
- Introduction of innovative research
- Project planning and management

## 3) SYLLABUS

### Course Description:

The subject of the course is the analysis of the economic issues related to Shipping and Transport. Specifically, the course introduces students to the study of challenges arising in this field by familiarizing them with fundamental concepts and all necessary methodological tools.

The syllabus will cover a broader scientific domain, encompassing the key characteristics of the Transport and Shipping sector, including:

- The transport market (market structures in the transport sector) and externalities
- The basic characteristics of the transport and shipping sector
- Road, rail, air, inland waterway, and maritime transport
- Demand and supply of transport and shipping services and their determining factors
- Price, income, and supply elasticities, as well as cross-elasticity in transport and shipping
- Costs of providing transport services, amortization costs, social cost analysis, and external or social transport costs
- Internalization of external costs
- Pricing methods, price discrimination, marginal cost, and pricing methodology
- Transport subsidies, internalization of external costs, and pricing methodology
- Investments in transport and shipping

- Maritime cycles
- Chartering and freight rate determination
- Capacity selection in shipping
- Planning and forecasting in transport
- EU policies in transport and shipping

#### 4) TEACHING and LEARNING METHODS

<b>DELIVERY</b>	In-class lecturing	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b>	The course topics will be delivered using visual aids and the presentation of digital lessons via the classroom projector: <ul style="list-style-type: none"> <li>• Use of ICT in lectures</li> <li>• USE of ICT in Communication with students</li> </ul>	
<b>TEACHING METHODS</b>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	52
	Study and analysis of the literature	98
	Exams	2
	<b>COURSE TOTAL</b>	<b>150</b>
<b>STUDENT PERFORMANCE EVALUATION</b>	For the final evaluation of students, the submission of a final assignment is recommended, where students will be required to prepare a scientific study on a topic related to the course material. The final assignment, which is optional and group-based (comprising 3 to 5 members), will also be considered as an alternative to the final examination and will thus account for 100% of the final grade. For students who prefer not to be assessed through the assignment, there will be an option to take a written examination (including multiple-choice questions, essay-type questions, and brief case studies), also weighted at 100%.	
<b>ATTACHED BIBLIOGRAPHY</b>	<ul style="list-style-type: none"> <li>• E. Sambrakos, "Economics of Transport," Varvarigou Publications, Piraeus 2018, p. 494.</li> <li>• E. Sambrakos and I. Giannopoulos, "Economic Operation of Ships," Eugenides Foundation Publications, Athens 2017, p. 88.</li> <li>• E. Sambrakos, "The Transport Sector and Combined Freight Transport," Stamoulis Publications, Athens 2009, p. 243.</li> <li>• A. Goulielmos, E. Sambrakos, "Coastal Shipping and Short-Sea Shipping," Stamoulis Publications, Athens 2002, p. 428.</li> </ul>	