## (B) Course information in english

#### General course information:

General Course Inio	ııııa	uon.				
Course title:	Op	sign and eration of Sea	Course code:		ΣΥ1111	
		insport stems			1	
Credits:	6		Work load (hours):		150	
Course level:		Undergraduate	V	Gradua	ate 🗆	
Course type:		Mandatory		Selecti	ve ☑	
Course category:		Basic		Orienta	ation 🗹	
Semester:	9 <sup>th</sup>		Hours per v	week:	4	
Course objectives					-	
The objective of this organization and opintroduction to the beautransmission of development of the control of	erat asic elop me rele	ion of maritime sometric principles of strand ments in shippina thodologies and vant European p	systems. The ategic and or grand maritin case studies olicy, and de	course erationate re trans that are	includes al port planning, port, and e met worldwide. It	
organization a     have acquired     be familiar v     transport chai     have acquired     national, Euro     have acquired     shipping and	ood and of knowith on, of the leading the	the basic principle operation of mariousledge in strate the concept of ability to identify and internation owledge in new time transport, as required basic	siples and spatime transpole gic and operations of combined sify, analyze and legal fram technologies	pecificat rt syster ational p transpo and inte eworks, s and ir	planning, ort and multimoda erpret the necessar	

Prerequisites:
Design and evaluation of transportation systems

### Instructor's data:

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Level:	Teaching Staff
Office:	Department of Civil Engineering
	(Office no. 111)
	University of Thessaly
	Pedion Areos, GR-38334
	Volos, Greece
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Other tutors:	-

# **Specific course information:**

Week No.		Hours		
	Course contents	Course attendance	Preparation	
1	Introduction to maritime systems: trends and prospects	4	1	
2	European policy on maritime transport	4	1	
3	Maritime systems and technical terminology	4	1	
4	Cargo and sea transport mode	4	1	
5	Port organization characteristics: evolution and emerging trends	4	1	
6	Demand and supply for shipping services	4	1	
7	Port throughput, performance indicators and fares	4	1	
8	Feasibility studies in maritime systems	4	1	
9	Organization and management of ports and port facilities	4	1	
10	Quality and safety management in maritime transport	4	1	
11	Public Private Partnerships and gradual access to the port services market	4	1	
12	Combined transport and multimodal transport chain	4	1	
13	Short sea shipping and Motorways of Sea	4	1	
14	New technologies and intelligent systems in shipping and maritime transport	4	1	

Additional hours for:				
Class project Examinations		Preparation for examinations	Educational visit	
55	3	20	2	

### Suggested literature:

- Alderton, P. (2011) «Reeds Sea Transport: Operation and Economics», 6<sup>th</sup> Edition. Bloomsbury, ISBN: 9781408131428.
- Stopford, M. (2008) «Maritime Economics», 3<sup>rd</sup> Edition. Taylor & Francis Group, ISBN: 9780429239540.
- Grammenos, C. (2010) «The Handbook of Maritime Economics and Business». Taylor & Francis Group, ISBN: 9780203721636.

leaching method (select and describe it necessary - weight):						
Teaching	M		75%			
Seminars			0%			
Demonstrations			0%			
Laboratory			0%			
Exercises			20%			
Visits at facilities	Image: control of the		5%			
Other (describe):			0%			
Total			100%			
Evaluation method (select) - weight:						
	<u>written</u>	<u>%</u>	<u>Oral</u>	<u>%</u>		
Homework		0				
Class project	Ø	25	V	5		
Interim examination	<b>☑</b>	20				
Final examinations	M	50				
Other (describe):		0				