The objective of the subject is to provide the student with an overall view of the short distance maritime transport in Europe mainly. This knowledge will be enriched with information of different types of ships, freights, volumes exchanged and the sustainability of the marine transport in itself.
280682 - Short Sea Shipping

Study load

<table>
<thead>
<tr>
<th>Total learning time: 150h</th>
<th>Hours large group:</th>
<th>30h</th>
<th>20.00%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group:</td>
<td>15h</td>
<td>10.00%</td>
</tr>
<tr>
<td></td>
<td>Hours small group:</td>
<td>10h</td>
<td>6.67%</td>
</tr>
<tr>
<td></td>
<td>Guided activities:</td>
<td>5h</td>
<td>3.33%</td>
</tr>
<tr>
<td></td>
<td>Self study:</td>
<td>90h</td>
<td>60.00%</td>
</tr>
</tbody>
</table>
# Content

## Chapter 1: Introduction

**Description:**
Chapter 1: Introduction

**Related activities:**
Up to 5 different activities would be proposed, mainly related with the reading and an abstract presentation to be discussed in class; of several documents proposed by the teacher.

**Specific objectives:**
Generalities on transport policy in Europe, will be presented and related regulations on customs and different procedures carried out in the transport chains.

**Learning time:** 8h  
Theory classes: 8h

## Chapter 2: The coastwise transport system

**Description:**
Chapter 2: The coastwise transport system

**Related activities:**
Up to 5 different documents related with typologies of ships and cargoes moved in Spain - Europe.  
First exercises will be carried out regarding the time and costs, of different transport chains alternatives.

**Specific objectives:**
The three different pillars of the coastwise transport system will be dealt with.  
Freight regarding volumes and traffics in Europe, will be commented.  
Traffics regarding commercial exchanging areas will be viewed.  
Different type of ships will be analysed, mainly related with SSS traffics

**Learning time:** 12h  
Theory classes: 12h

## Chapter 3: The port system

**Description:**
Chapter 3: The port system

**Related activities:**
Up to 2 documents will be discussed and publicly defended abstracts on them.  
Different exercises will be carried out, regarding the viability of establishing a transport chain between two ports.

**Specific objectives:**
The port system will be analysed in Europe.  
The different type of ports, main ports in terms of volume and cargo type.  
Flows between ports also will be also analysed.

**Learning time:** 25h  
Theory classes: 25h
### Chapter 4: The sustainability of the SSS

**Description:**
Chapter 4: The sustainability of the SSS

**Related activities:**
Several documents will be analysed and the abstracts derived, will be discussed in class. Exercises related to the environmental performance of ships will be carried out, using models like CORINAIR, INFRASS or mOPSEA, inter alia.

**Specific objectives:**
The main objective is to discuss the environment performance of the Marine transport, its regulations and operational consequences. And them related to the road transport

<table>
<thead>
<tr>
<th>Learning time: 12h</th>
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<tbody>
<tr>
<td>Theory classes: 12h</td>
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</tbody>
</table>

### Chapter 5: The high speed crafts

**Description:**
Chapter 5: The high speed crafts.

**Related activities:**
One activity will be designed in order to compare the time performance of such kind of ships.

**Specific objectives:**
The incidence and application of such kind of ships, will be analysed, regarding the time of service due their speed but also their economic and environmental costs and fuel consumption.

<table>
<thead>
<tr>
<th>Learning time: 3h</th>
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<tbody>
<tr>
<td>Theory classes: 3h</td>
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</tbody>
</table>

### (ENG) -

**Degree competences to which the content contributes:**

### Qualification system

- Multichoice questionnaires: 40%
- Proposed exercises: 40%
- Final work to be developed individually on a proposed marine traffic topic: 20%
- Final exam for all who have not passed during the course. However only reserved for the ones that have delivered all the scheduled activities.
- Re evaluation exam for all the students that have not passed the subject and based on the general conditions established in the normative.
Regulations for carrying out activities

The work in groups, should be developed by all of the members in the group, and will be asked to be demonstrated. For all the students that should go to the final exam, they will need to deliver all the course activities, before do the exam.

Bibliography

Basic:


Others resources:

Hyperlink

www.eurostat.eu

http://upcommons.upc.edu