250ST2023 - Port Management and Maritime Transport

Coordinating unit: 240 - ETSEIB - Barcelona School of Industrial Engineering
Teaching unit: 751 - DECA - Department of Civil and Environmental Engineering
Academic year: 2019
Degree: MASTER'S DEGREE IN SUPPLY CHAIN, TRANSPORT AND MOBILITY MANAGEMENT (Syllabus 2014). (Teaching unit Optional)
MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2014). (Teaching unit Optional)
ECTS credits: 5

Teaching languages: English

Teaching staff
Coordinator: MANEL GRIFOLL

Learning objectives of the subject

Study load

<table>
<thead>
<tr>
<th>Total learning time: 125h</th>
<th>Hours large group:</th>
<th>30h</th>
<th>24.00%</th>
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<tr>
<td></td>
<td>Hours small group:</td>
<td>15h</td>
<td>12.00%</td>
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<td>Self study:</td>
<td>80h</td>
<td>64.00%</td>
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# Content

## INTRODUCTION

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

**Description:**

Globalization and Internationalization of economy. Main stakeholders of the port and shipping sector

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## BLOCK I. MARITIME TRANSPORT

**Learning time:** 12h  
Practical classes: 12h

**Description:**

- Short Sea Shipping.
- Main trends and drivers in the shipping sector.

Assignments

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## BLOCK II. PORT MANAGEMENT

**Learning time:** 14h  
Practical classes: 14h

**Description:**

- Ports in the international trade. Evolution. Gateway port. Port regions.
- Principal port processes and stakeholders.
- Port planning. Strategic plans. Analysis of the port demand. European Port Policy
- Cases of study.
- Assignments

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## BLOCK III. OPERATIONS OF THE PORT TERMINALS

**Learning time:** 17h  
Practical classes: 17h

**Description:**

- Introduction. Topology of terminals and the systemic approach
- Terminals economics. Financing and regulation. Concessions

Assignments
CONCLUSIONS

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<td>content english</td>
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Learning time: 2h
Practical classes: 2h

Qualification system

Score = 0.7E+0.3T, where E is the final exam and T the assignments

Bibliography

Basic:

