# 280712 - Management of Port Terminals

**Coordinating unit:** 280 - FNB - Barcelona School of Nautical Studies  
**Teaching unit:** 742 - CEN - Department of Nautical Sciences and Engineering  
**Academic year:** 2019  
**Degree:**  
- MASTER’S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT MANAGEMENT (Syllabus 2016). (Teaching unit Compulsory)  
- MASTER’S DEGREE IN NAVAL AND OCEAN ENGINEERING (Syllabus 2017). (Teaching unit Optional)  
**ECTS credits:** 5  
**Teaching languages:** Spanish

## Teaching staff

**Coordinator:** JOSE MANUEL VALLELLANO GARCÍA

## Learning objectives of the subject

- The functions of the Terminal within the global supply chain and international trade  
- The role and functions of the manager in the successful and efficient operation of cargo and passenger terminals  
- Understanding terminal types, configuration and operations  
- How terminals are structured and their relationship to ocean carriers, trucking companies, the port and custom authorities and cargo owners.  
- How terminals generate revenue  
- Technology and its effect on efficiency  
- The importance of labor relations with workers and the role of stevedors  
- Regulatory and environmental issues related to terminal operations

## Study load

<table>
<thead>
<tr>
<th>Total learning time: 45h</th>
<th>Hours large group:</th>
<th>45h</th>
<th>100.00%</th>
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# Content

## Chapter 1: Types of port terminals: container, ro-ro passenger, gas, chemical, drybulk, monobuoys

<table>
<thead>
<tr>
<th>Description:</th>
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<table>
<thead>
<tr>
<th>Learning time: 17h</th>
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<tbody>
<tr>
<td>Theory classes: 4h</td>
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<tr>
<td>Practical classes: 2h</td>
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<tr>
<td>Guided activities: 1h</td>
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<tr>
<td>Self study: 10h</td>
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</tbody>
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## Chapter 2: Rules and laws of maritime terminals

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<th>Learning time: 17h</th>
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<tbody>
<tr>
<td>Theory classes: 4h 30m</td>
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<tr>
<td>Practical classes: 1h 30m</td>
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<tr>
<td>Guided activities: 1h</td>
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<tr>
<td>Self study: 10h</td>
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## Chapter 3: Terminal operation

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<th>Learning time: 17h</th>
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<tbody>
<tr>
<td>Theory classes: 4h 30m</td>
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<tr>
<td>Practical classes: 1h 30m</td>
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<tr>
<td>Guided activities: 1h</td>
</tr>
<tr>
<td>Self study: 10h</td>
</tr>
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</table>
## Chapter 4: Terminal managing

**Learning time:** 17h  
Theory classes: 4h 30m  
Practical classes: 1h 30m  
Guided activities: 1h  
Self study: 10h

**Description:**  

## Chapter 5: Multimodal Terminal

**Learning time:** 14h  
Theory classes: 1h 30m  
Practical classes: 1h  
Guided activities: 1h 30m  
Self study: 10h

**Description:**  

## Chapter 6: Law rules and docker teams

**Learning time:** 14h  
Theory classes: 1h  
Practical classes: 1h 30m  
Guided activities: 1h 30m  
Self study: 10h

**Description:**  
# Chapter 7: The container depot: types of dry containers, reefer and isotank

**Learning time:** 14h  
Theory classes: 1h  
Practical classes: 1h 30m  
Guided activities: 1h 30m  
Self study: 10h

**Description:**
Reefer equipment cleaning, pre-trip, repair. The tank or ISO-Tank.

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# Chapter 8: Tarifes i taxes portuàries: T0, T1, T2, T3, L7 ...

**Learning time:** 15h  
Theory classes: 2h  
Practical classes: 1h 30m  
Guided activities: 1h 30m  
Self study: 10h

**Description:**
Analysis of the Consolidated Law on Ports RDL 02/2011, the administrative concession of the Port Authority and the cost of port marine space, concession and private terminals.

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## Bibliography

### Basic:


### Complementary:


### Others resources:

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