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

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

| Total learning time: 45h | Hours large group: 45h | 100.00% |

Coordinator: JOSE MANUEL VALLELLANO GARCÍA
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## Content

<table>
<thead>
<tr>
<th>Chapter 1: Types of port terminals: container, ro-ro passenger, gas, chemical, drybulk, monobuoys</th>
<th>Learning time: 17h</th>
</tr>
</thead>
</table>
| | Theory classes: 4h 30m  
Practical classes: 1h 30m  
Guided activities: 1h  
Self study: 10h |

**Description:**

<table>
<thead>
<tr>
<th>Chapter 2: Rules and laws of maritime terminals</th>
<th>Learning time: 17h</th>
</tr>
</thead>
</table>
| | Theory classes: 4h  
Practical classes: 1h 30m  
Guided activities: 1h  
Self study: 10h |

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

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# 280712 - Management of Port Terminals

<table>
<thead>
<tr>
<th><strong>Chapter 4: Terminal managing</strong></th>
<th><strong>Learning time:</strong> 17h</th>
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<tbody>
<tr>
<td></td>
<td>Theory classes: 4h 30m</td>
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<td>Practical classes: 1h 30m</td>
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<td>Guided activities: 1h</td>
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<td>Self study: 10h</td>
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<tr>
<th><strong>Chapter 5: Multimodal Terminal</strong></th>
<th><strong>Learning time:</strong> 14h</th>
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<td></td>
<td>Theory classes: 1h 30m</td>
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<tr>
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<td>Practical classes: 1h</td>
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<td>Guided activities: 1h 30m</td>
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<td>Self study: 10h</td>
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<tr>
<th><strong>Chapter 6: Law rules and docker teams</strong></th>
<th><strong>Learning time:</strong> 14h</th>
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<td>Practical classes: 1h 30m</td>
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<td>Guided activities: 1h 30m</td>
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<td>Self study: 10h</td>
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# 280712 - Management of Port Terminals

## 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.

## 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.

## Bibliography

**Basic:**


**Complementary:**


**Others resources:**