280628 - Transport of Dangerous, Hazardous and Harmful Goods

**Coordinating unit:** 280 - FNB - Barcelona School of Nautical Studies  
**Teaching unit:** 742 - CEN - Department of Nautical Sciences and Engineering  
**Academic year:** 2019  
**Degree:** BACHELOR'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT (Syllabus 2010). (Teaching unit Compulsory)  
**ECTS credits:** 4,5  
**Teaching languages:** Spanish

### Teaching staff

**Coordinator:** JOSE MANUEL VALLELLANO GARCÍA  
**Others:** Primer quadrimestre:  
JOSE MANUEL VALLELLANO GARCÍA - GNTM

### Prior skills

Having Passeed the course of "STOWAGE" Q4 GENTM

### Degree competences to which the subject contributes

**Specific:**

1. 4. Knowledge of maintenance equipment load measurement and control systems of the atmospheres of cargo space and equipment of tankers for transportation of liquefied petroleum natural gas oil, transportation of crude oil derivatives and chemicals.
2. 3. Knowledge of the organization and management capacity for repair projects, installation, modification and maintenance of loading equipment, storage and security systems and means of loading and auxiliary vessel.

**Transversal:**

1. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 3. Taking social, economic and environmental factors into account in the application of solutions. Undertaking projects that tie in with human development and sustainability.

### Learning objectives of the subject

The student should know how to operate the loading and discharging systems of the special cargoes ships.

Competencies

The especifics CE.24, 25, 26 i 27 and additionally the ones of chart A-II/1 in the STCW convention: "Monitor de loading, stowage, securing, care during the voyage and the unloading of cargoes" partially and the chart A-II/2 of the STCW
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convention: "Carriage of dangerous goods" partially.

**Study load**

<table>
<thead>
<tr>
<th>Total learning time: 112h 30m</th>
<th>Hours large group: 15h (13.33%)</th>
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<tbody>
<tr>
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<td>Hours medium group: 15h (13.33%)</td>
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<td></td>
<td>Hours small group: 6h (5.33%)</td>
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<td>Guided activities: 9h (8.00%)</td>
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<td>Self study: 67h 30m (60.00%)</td>
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**Content**

(ENG) - Tema 1: Familiarización de buques tanque

Degree competences to which the content contributes:

(ENG) - Tema 2: Buques petroleros

Degree competences to which the content contributes:

(ENG) - Tema 3: Buques gaseros

Degree competences to which the content contributes:

(ENG) - Tema 4: Buques químicos

Degree competences to which the content contributes:

(ENG) - tema 5: Código IMDG

**Learning time:** 45h
- Theory classes: 15h
- Practical classes: 15h
- Laboratory classes: 6h
- Guided activities: 9h
Bibliography

Basic:


