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: 2018
Degree: BACHELOR'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT (Syllabus 2010).
ECTS credits: 4.5
Teaching languages: Catalan

Teaching staff
Coordinator: MARIANO BADELL SERRA
Others: Primer quadrimestre:
MARIANO BADELL SERRA - 1

Prior skills
Having Passed the course of "STOWAGE" Q4 GENTM

Degree competences to which the subject contributes

Specific:
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.
3. Specific 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.
4. 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:

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

Competencies
The specifics 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>Study load</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total learning time:</strong> 112h 30m</td>
<td>15h</td>
<td>13.33%</td>
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<tr>
<td></td>
<td>15h</td>
<td>13.33%</td>
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<tr>
<td></td>
<td>6h</td>
<td>5.33%</td>
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<td>9h</td>
<td>8.00%</td>
</tr>
<tr>
<td></td>
<td>67h 30m</td>
<td>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 quimiqueros

Degree competences to which the content contributes:

### (ENG) - tema 5: Código IMDG

<table>
<thead>
<tr>
<th>Learning time: 45h</th>
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<tbody>
<tr>
<td>Theory classes: 15h</td>
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<tr>
<td>Practical classes: 15h</td>
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<tr>
<td>Laboratory classes: 6h</td>
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<tr>
<td>Guided activities: 9h</td>
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</tbody>
</table>
**Bibliography**

**Basic:**


