# 280627 - Health and Safety at Work

**Coordinating unit:** 280 - FNB - Barcelona School of Nautical Studies  
**Teaching unit:** 742 - CEN - Department of Nautical Sciences and Engineering  
**Academic year:** 2020  
**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:** Ordas Jimenez, Santiago  
**Others:** Ordas Jimenez, Santiago

## Opening hours

**Timetable:** Tuesday, Wednesday & Thursday from 10:00 to 12:00

## Degree competences to which the subject contributes

### Specific:
1. Knowledge, use and application of the ship from the principles of safety and security of the ship, fire fighting and survival, preventing and combating pollution.

### Transversal:
2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 2. Applying sustainability criteria and professional codes of conduct in the design and assessment of technological solutions.

## Teaching methodology

Lectures and active participation of students.

## Learning objectives of the subject

Provide training in occupational hazards in accordance with the content of the Occupational Risk Prevention Law and the Prevention Services Regulation.

## Study load

<table>
<thead>
<tr>
<th>Total learning time: 112h 30m</th>
<th>Hours large group: 25h 22.22%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hours medium group: 15h 13.33%</td>
</tr>
<tr>
<td></td>
<td>Hours small group: 0h 0.00%</td>
</tr>
<tr>
<td></td>
<td>Guided activities: 5h 4.44%</td>
</tr>
<tr>
<td></td>
<td>Self study: 67h 30m 60.00%</td>
</tr>
</tbody>
</table>
## Content

| **Basic concepts on safety and health at work** | **Learning time:** 6h  
Theory classes: 6h |
|---|---|
| **Description:**  
Work and health, professional risks. Risk factor's.  
Damages derived from work. Work accidents and professional ailments. Other pathologies derived from work.  
Basic regulations on occupational risk prevention. Rights and duties in this topic. |

| **General risks and their prevention** | **Learning time:** 20h  
Theory classes: 20h |
|---|---|
| **Description:**  
Risks linked to safety conditions.  
Risks related to the working environment.  
Workload, fatigue and job dissatisfaction.  
Elementary risk control systems. Collective and individual protection.  
Emergency and evacuation plans.  
The health control of workers. |

| **Specific risks of the maritime sector** | **Learning time:** 10h  
Theory classes: 10h |
|---|---|
| **Description:**  
content english |

| **Basic elements of risk prevention management** | **Learning time:** 9h  
Theory classes: 9h |
|---|---|
| **Description:**  
Public bodies related to occupational safety and health.  
Organization of preventive work: basic “routines”.  
Documentation: collection, preparation and archiving. |
Qualification system

Qualification of the activities of continuous assessment and final exam. The final grade will be the result of the sum of the following sections.

\[ N_{\text{final}} = 0.5N_{\text{ac}} + 0.5N_{\text{pf}} \]

Students who do not take the final exam or who have not given half of the continuous assessment activities will be considered "No Presentado".

Bibliography

Basic:
