Course guide
280627 - 280627 - Health and Safety at Work

Last modified: 27/05/2025

Unit in charge: Barcelona School of Nautical Studies
Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering.

Degree: BACHELOR'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT (Syllabus 2010). (Compulsory subject).

Academic year: 2025 **ECTS Credits:** 4.5 **Languages:** Spanish

LECTURER

Coordinating lecturer: SANTIAGO ORDAS JIMENEZ

Others: Segon quadrimestre:
SANTIAGO ORDAS JIMENEZ - GNTM

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

Type	Hours	Percentage
Hours large group	45,0	40.00
Self study	67,5	60.00

Total learning time: 112.5 h

CONTENTS

Basic concepts on safety and health at work

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.

Related competencies :
CE11. 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.
02 SCS N2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 2. Applying sustainability criteria and professional codes of conduct in the design and assessment of technological solutions.

Full-or-part-time: 6h
Theory classes: 6h

General risks and their prevention

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.

Related competencies :
CE11. 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.
02 SCS N2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 2. Applying sustainability criteria and professional codes of conduct in the design and assessment of technological solutions.

Full-or-part-time: 20h
Theory classes: 20h

Specific risks of the maritime sector

Description:
content english

Related competencies :
CE11. 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.
02 SCS N2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 2. Applying sustainability criteria and professional codes of conduct in the design and assessment of technological solutions.

Full-or-part-time: 10h
Theory classes: 10h

Basic elements of risk prevention management

Description:
Public bodies related to occupational safety and health.
Organization of preventive work: basic “routines”.
Documentation: collection, preparation and archiving.

Related competencies :
CE11. 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.
02 SCS N2. SUSTAINABILITY AND SOCIAL COMMITMENT - Level 2. Applying sustainability criteria and professional codes of conduct in the design and assessment of technological solutions.

Full-or-part-time: 9h
Theory classes: 9h

GRADING 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.
Nfinal = 0.5Nac + 0.5Npf

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:
- Cortés Díaz, José María. Técnicas de prevención de riesgos laborales : seguridad e higiene del trabajo. 10a ed. Madrid: Tébar, 2012. ISBN 9788473604796.
- Organització Internacional del Treball. Pautas para la aplicación de las disposicionessobre seguridad y salud en el trabajo del Convenio sobre el trabajo marítimo, 2006 [on line]. Ginebra: International Labour Office, 2015 [Consultation: 04/03/2020]. Available on: https://www.ilo.org/wcmsp5/groups/public/---ed_dialogue/---sector/documents/normativeinstrument/wcms_325321.pdf. ISBN 9789223294977.