SUBJECT TEACHING GUIDE

1192 - Integrated Management Systems

Master's Degree in Marine Engineering

Academic year 2025-2026

1. IDENTIFYING DATA					
Degree	Master's Degree in Marine Engineering			Type and Year	Compulsory. Year 1
Faculty	School of Maritime Engineering				
Discipline	Integrated Management Systems				
Course unit title and code	1192 - Integrated Management Systems				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Combination of face-to-face and online training

Department	DPTO. CIENCIAS Y TECNICAS DE LA NAVEGACION Y DE LA CONSTRUCCION NAVAL
Name of lecturer	RAQUEL LIAÑO GOMEZ
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Office	
Other lecturers	

3.1 LEARNING OUTCOMES
- Ensure that occupational safety practices are observed, in accordance with Regulation III/2 of the STCW Convention, as amended.
- Monitor and enforce compliance with legislative requirements and measures to ensure the safety of human life at sea and the protection of the marine environment, in accordance with Regulation III/2 of the STCW Convention, as amended.
- Use leadership and management skills, in accordance with Regulation III/2 of the STCW Convention, as amended.
- Conduct quality management studies. Conduct maritime safety studies. Conduct environmental impact studies. Carry out quality, energy, and environmental audits.

4. OBJECTIVES
The student acquires sufficient skills to study quality management, maritime safety/security and environmental impact.
Practical knowledge: Practices in quality, environment, and occupational safety.
Knowledge of the certificates and other documents that, by virtue of international conventions, must be carried on board, how to obtain them, and their periods of validity.
Understanding of the responsibilities arising from the applicable provisions of the International Convention for the Safety of Life at Sea (SOLAS) and the International Convention for the Prevention of Pollution from Ships (MARPOL).
Knowledge of the management and training of onboard personnel.
Ability to apply task and workload management, including the following aspects: planning and coordination.
Development, implementation, and supervision of standardized operational procedures.

6. SUBJECT PROGRAM	
CONTENTS	
1	Theme 1. The quality management
2	Theme 2. Environmental management
3	Theme 3. Management of maritime safety/security
4	Theme 4. System safe/security management, quality and environmental protection (SGSC)
5	Theme 5. Environmental management system and energy efficiency

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Activities in the virtual platform	Activity evaluation with Virtual Media	Yes	Yes	30,00
In-person activities	Others	Yes	No	30,00
Exam	Written exam	Yes	Yes	40,00
TOTAL				100,00
Observations				
Continuous evaluation = Activities in the virtual classroom (30%) + In-person activities (30%) Final score = Continuous evaluation (60%) + Exam (40%)				
Observations for part-time students				
Part-time students will agree with the professor on the timing of midterm exams based on their availability.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Normativa nacional y Europea. Normas ISO de calidad y medio ambiente.
López Lemos, P. "Como documentar un sistema de gestión de calidad según ISO 9001:2015". FC Editorial. (2015).
López Lemos, P. "Novedades ISO 9001:2015". FC Editorial (2016).
Gómez Martínez, J.A. "Guía para la aplicación de UNE-EN ISO 9001:2015". Aenor ediciones. (2015).