

Course guide

280705 - 280705 - Maritime Economy and Shipping Business

Last modified: 23/07/2025

Unit in charge: Barcelona School of Nautical Studies

Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering.

Degree: MASTER'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT MANAGEMENT (Syllabus 2016). (Compulsory subject).
MASTER'S DEGREE IN THE MANAGEMENT AND OPERATION OF MARINE ENERGY FACILITIES (Syllabus 2016). (Compulsory subject).

Academic year: 2025 **ECTS Credits:** 5.0 **Languages:** Spanish

LECTURER

Coordinating lecturer: Martínez De Osés, Francisco Javier

Others: Domingo Azón, Carles
Martínez De Osés, Francisco Javier

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

CE2-MNGTM. Metodologia de projectes.

CE5-MNGTM. Conocimientos de la gestión del personal a bordo. Dirección y gestión de personal en situaciones de crisis.

CE14-MNGTM. Lideratge i gestió de la direcció: influències, evolució i funcions. Capacitat d'utilització dels coneixements de lideratge i gestió.

CE16-MNGTM. Coneixements d'economia de la gestió de les empreses del sector marítim, el negoci marítim i la logística associada.

CE20-MNGTM. (ENG) Capacidad para la gestión y dirección de empresas marinas.

CE22-MNGTM. Coneixements i capacitat per aplicar les tècniques d'adopció de decisions.

CE23-MNGTM. Conocimientos y capacidad para aplicar una gestión eficaz de los recursos.

Generical:

CG9-MNGTM. Capacitat per organitzar i dirigir grups de treball multidisciplinaris en un entorn multilingüe, i de generar informes per a la transmissió de coneixements i resultats

CG15-MNGTM. (ENG) Capacidad para resolver problemas complejos y tomar decisiones con responsabilidad sobre bases científicas y tecnológicas en el ámbito de su especialidad

CG20-MNGTM. Capacitat per a la gestió i direcció d'empreses marines

CG19-MNGTM. Capacitat per desenvolupar els coneixements per a l'anàlisi i interpretació de mesuraments, càlculs, valoracions, taxacions, peritatges, estudis, informes i documents tècnics en l'àmbit de la seva especialitat

CG21-MNGTM. (ENG) Capacidad para realizar tareas de investigación, desarrollo e innovación en el ámbito de su especialidad

Transversal:

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.

CT5. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that meets the needs of the profession and the labour market.

CT1. ENTREPRENEURSHIP AND INNOVATION: Knowing and understanding the organization of a company and the sciences that govern the activity; be able to understand the business rules and relationships between planning, industrial and commercial strategies, quality and profit.

Basic:

CB6. Possess knowledge and understanding that provide a basis or opportunity be original in the development and / or application of ideas, often in a research context.

CB7. That the students can apply their knowledge and ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their study area.

CB8. Students should be able to integrate knowledge and handle the complexity of making judgments based on information that, being incomplete or limited, includes reflections on the responsibilities social and ethical linked to the application of their knowledge and judgments.

TEACHING METHODOLOGY

Contents of the subject, are based on in aula classes, exercises and practical activities on each of every provided chapter.

LEARNING OBJECTIVES OF THE SUBJECT

The aim of the subject of Economics and Business Maritime, is to acquire the basic management skills and shipping business in its entirety as: the basics of economics, the General Accounting Plan, the operational costs of different ship types, the legislation affecting them and maritime markets.

STUDY LOAD

Type	Hours	Percentage
Hours large group	45,0	36.00
Self study	80,0	64.00

Total learning time: 125 h

CONTENTS

ECONOMIC AND SHIPPING BUSINESS

Description:

- Introduction
- Maritime transport
- International maritime trade
- Maritime traffic
- Maritime markets
- The costs of maritime transport
- Characteristics of the cost of maritime transport
- Forms of provision of the maritime transport Service
- Liquid bulk maritime transport
- Solid bulk maritime transport
- Maritime transport regular lines
- Regulations IMO applicable

Specific objectives:

All contents of the course are explained in lectures and in cases where it is feasible, practical exercises consolidate the acquired knowledge are made. In addition, continuous monitoring of the topics explained through the realization of small projects individualized for each student will be.

Related competencies :

CB7. That the students can apply their knowledge and ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their study area.

CB6. Possess knowledge and understanding that provide a basis or opportunity be original in the development and / or application of ideas, often in a research context.

CB8. Students should be able to integrate knowledge and handle the complexity of making judgments based on information that, being incomplete or limited, includes reflections on the responsibilities social and ethical linked to the application of their knowledge and judgments.

CE20-MNGTM. (ENG) Capacidad para la gestión y dirección de empresas marinas.

CE2-MNGTM. Metodologia de projectes.

CE23-MNGTM. Conocimientos y capacidad para aplicar una gestión eficaz de los recursos.

CE14-MNGTM. Lideratge i gestió de la direcció: influències, evolució i funcions. Capacitat d'utilització dels coneixements de lideratge i gestió.

CE5-MNGTM. Conocimientos de la gestión del personal a bordo. Dirección y gestión de personal en situaciones de crisis.

CE16-MNGTM. Coneixements d'economia de la gestió de les empreses del sector marítim, el negoci marítim i la logística associada.

CE22-MNGTM. Coneixements i capacitat per aplicar les tècniques d'adopció de decisions.

CG21-MNGTM. (ENG) Capacidad para realizar tareas de investigación, desarrollo e innovación en el ámbito de su especialidad

CG19-MNGTM. Capacitat per desenvolupar els coneixements per a l'anàlisi i interpretació de mesuraments, càlculs, valoracions, taxacions, peritatges, estudis, informes i documents tècnics en l'àmbit de la seva especialitat

CG9-MNGTM. Capacitat per organitzar i dirigir grups de treball multidisciplinaris en un entorn multilingüe, i de generar informes per a la transmissió de coneixements i resultats

CG15-MNGTM. (ENG) Capacidad para resolver problemas complejos y tomar decisiones con responsabilidad sobre bases científicas y tecnológicas en el ámbito de su especialidad

CG20-MNGTM. Capacitat per a la gestió i direcció d'empreses marines

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.

CT1. ENTREPRENEURSHIP AND INNOVATION: Knowing and understanding the organization of a company and the sciences that govern the activity; be able to understand the business rules and relationships between planning, industrial and commercial strategies, quality and profit.

CT5. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that



meets the needs of the profession and the labour market.

Full-or-part-time: 45h
Theory classes: 45h

GRADING SYSTEM

Practical activities file 40% and a final exam 60%

BIBLIOGRAPHY

Basic:

- Stopford, Martin. Maritime Economics. 3th ed. London: Routledge, 2009. ISBN 9780415275583.
- Lloyd's maritime atlas of world ports and shipping places. 24th ed. Essex: Lloyd's MIU, 2007. ISBN 9781843116042.
- Wijnolst, Niko; Wergeland, Tor. Shipping innovation. Amsterdam: IOS Press, 2009. ISBN 9781586039431.