



Course guide

280609 - 280609 - Maritime Economy, Shipping Business and on Board Human Resource Management

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: 6.0 Languages: Catalan, Spanish	

LECTURER

Coordinating lecturer:	FRANCISCO JAVIER MARTINEZ DE OSÉS
Others:	Primer quadrimestre: ALEJANDRO LEON ARIAS - GNTM FRANCISCO JAVIER MARTINEZ DE OSÉS - GNTM
	Segon quadrimestre: ALEJANDRO LEON ARIAS - GNTM FRANCISCO JAVIER MARTINEZ DE OSÉS - GNTM

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

2. Knowledge, use and application to ship the principles of the laws and regulations marina.

Transversal:

1. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

TEACHING METHODOLOGY

Descriptive and expository methodology, masterclass with participatory classroom presentations in a combined form and according to the subject matter. Resolution of case studies of the subject.

Develop the reasoning and critical spirit and defend it orally, written and/or visual.

Perform several team works.

LEARNING OBJECTIVES OF THE SUBJECT

- Understand the principles of the maritime economy.
- Understand and apply the fundamentals of logistics in the seaborne carriage.
- Ability to apply concepts relating to the operation of the ship.
- Ability to study with books and articles in English being able to write a report or technical work in English and participate in a workshop conducted in this language.
- Perform the tasks in the time allotted, according to the guidelines set by the teacher or tutor.
- Identify the progress and the achievement level in relation to the learning objectives.

Competencies

The specific competency CE 17 together with the ones corresponding to chart A-II/1 of the STCW convention: "Application of leadership and teamworking skills".



STUDY LOAD

Type	Hours	Percentage
Hours large group	60,0	40.00
Self study	90,0	60.00

Total learning time: 150 h

CONTENTS

(ENG) Economic characteristics-

Description:

Supply and Demand. The Market and its classification. Market Structures. Main macroeconomic indicators. Transportation Features. Hinterlands and Forelands. Maritime Economics and Meteorology.

Full-or-part-time: 12h 20m

Theory classes: 4h

Practical classes: 1h

Self study : 7h 20m

(ENG) The maritimisation of Contemporary Economics.

Description:

Considerations about the maritime transport nowadays. The so-called "Maritime Cycle" in the economy. Maritime traffics and ship types. The freight, concept and modalities. The INCOTERMS and its application to containerized traffic. Terminology often used in charter parties. Splitting of costs between owner & charterer in the charter party. Examples of charter parties. The flags of convenience.

Full-or-part-time: 11h 20m

Theory classes: 4h

Self study : 7h 20m

(ENG) Global Port Network

Description:

Main ports of the world, its location, their most relevant traffic. Lloyds Maritime Atlas. Sources of information on the net about the ports. Detailed study of some ports.

Full-or-part-time: 12h 20m

Theory classes: 4h

Practical classes: 1h

Self study : 7h 20m

Maritime Traffics brief description

Description:

Volumes and type of shipping routes. Determining factors in the path to follow. Strategic passages. Geographical distribution of maritime traffics.

Full-or-part-time: 10h 20m

Practical classes: 3h

Self study : 7h 20m



Interior and Ocean Channels

Description:

Definitions. Corinth Canal, Kiel Canal, Panama Canal, Suez Canal, St. Lawrence Seaway. European navigation channels, its operation, characteristics and tolls. The special drawing right.

Full-or-part-time: 11h 20m

Theory classes: 4h

Self study : 7h 20m

(ENG) Containerization.

Description:

Basics. The container. Type of containers. ISO codes. Logistics flow diagrams. Terminology of containerized traffic. Consolidation and deconsolidation of containers. Clauses, concept of demurrages and detentions. Multimodality of it. Container ships, planes and the Baplie files (Baplie Files). Examples of B /Ls and Baplie Files.

Full-or-part-time: 16h 50m

Theory classes: 4h

Practical classes: 2h

Guided activities: 2h

Self study : 8h 50m

(ENG) The High speed, competitiveness and viability

Description:

Applicable international standards. DSC and HSC Codes. Advanced Marine Vehicle Typology. Their advantages and disadvantages. Its economic viability. Its Present and future.

Full-or-part-time: 12h 20m

Theory classes: 4h

Guided activities: 1h

Self study : 7h 20m

(ENG) The Oil Trade.

Description:

General features. Global transport of oil. Routes and international traffic. Major oil ports.. Tankers, its characteristics.

Full-or-part-time: 10h 20m

Theory classes: 2h

Guided activities: 1h

Self study : 7h 20m

Dry bulk traffics analysis

Description:

Generalities. World dry bulks transport. Routes and international traffics. Major loading ports. Bulkcarriers, their particulars.

Full-or-part-time: 1h 30m

Theory classes: 1h 30m



(ENG) Els Costos d'Explotació del Vaixell.

Full-or-part-time: 15h 20m

Theory classes: 4h

Practical classes: 3h

Guided activities: 1h

Self study : 7h 20m

Human resources in shipping companies.

Description:

The institution vessel: sociological connotations. Inner life. Crews multinacionals. Flags of convenience.

Full-or-part-time: 10h

Theory classes: 3h

Practical classes: 1h

Self study : 6h

Human resources in shipping companies.

Description:

The crewman. Characteristics of life on board. Crewmember relations with the outside world.

Full-or-part-time: 10h

Theory classes: 3h

Practical classes: 1h

Self study : 6h

Human resources in shipping companies.

Description:

Hiring crews. Shipping companies and intermediary agencies.

Full-or-part-time: 6h

Theory classes: 2h

Self study : 4h

(ENG) Human resources in the shipping companies.

Description:

Hierarchical structure. Command. Leadership. Motivation.

Full-or-part-time: 11h 30m

Theory classes: 3h

Practical classes: 2h

Self study : 6h 30m



GRADING SYSTEM

The final qualification will be as follows, corresponding to 50% of each professor:

$N_{final} = 0,50 (p1) + 0,50 (p2)$. This average will be done only from a 4.0 in both parts. If not, the final mark will be the lower value. In the maritime economy part, the student for passing should deliver all the activities scheduled during the course, in the due date.

Npf: Final Qualification

Np1: Qualif prof. Part 1

Np2: Qualif prof. Part 2

Both the final test as well as the continuous assessment tests can have a multiple choice test part, other part of short questions or practical exercises. Its duration goes from 1.5 to 2 hours.

The score of the teamwork reports and presentations bears in mind the students ability to teamwork, the deepness achieved in the chosen subject, and both visual and oral presentations thereof.

Only those students who did the final examination and who obtained an overall grade for the course between 3 and 4.9, will have the chance to make a new reassessment exam, which will take place a few days after the global notes are published, according to the timetable set by the FNB.

This exam will consist of a series of multiple choice tests in the case of HHRR and short development questions about all course topics that the student should overcome in at least a 60 % to obtain a 5 points score as overall final grade of the course. For the economy part will be an exam of all the subject in the usual format.

The GNTM is a presential career, then any student with an attendance below to 85%, will not pass.

EXAMINATION RULES.

A first control which represents the 35% of the overall assessment. A team work on a specific topic (or activities file, book reading and attendance) and its multimedia exhibition (if necessary) will represent the other 15% and the final exam which will count for 50% of the total grade.

Shall be deemed "not submitted", the student who fails to appear at the final test, which represents 50% of the grade.

As for the final reevaluation exam of the subject whose maximum score will be 5, it is required a minimum mark of 6 out of 10.

If all continuous assessments are not completed, you will lose 15% corresponding to the continuous assessment

BIBLIOGRAPHY

Basic:

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- Lloyd's maritime atlas of world ports and shipping places. 24th Edition. Essex: Lloyd's MIU, 2007. ISBN 9781843116042.
- Incoterms 2020 : reglas de ICC para el uso de términos comerciales nacionales e internacionales. Barcelona: Cámara de Comercio Internacional, 2019. ISBN 9788489924635.
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Complementary:

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