Course guide
280804 - 280804 - Economy and Shipping Business

Unit in charge: Barcelona School of Nautical Studies
Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering.
Degree: MASTER'S DEGREE IN NAVAL AND OCEAN ENGINEERING (Syllabus 2017). (Compulsory subject).

Academic year: 2023 ECTS Credits: 5.0 Languages: Spanish

LECTURER
Coordinating lecturer: MIGUEL PARDO GIL ALBERDI
Others: Primer quadrimestre: MIGUEL PARDO GIL ALBERDI

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
MUENO_CE5. Knowledge of the shipbuilding and repair markets and their legal and economic aspects, for their application to the corresponding contracts and specifications
MUENO_CE14. Knowledge of trade and international maritime transport for its application to the definition and optimization of new vessels and artifacts
MUENO_CE15. Knowledge of economics and business management in the maritime field

Generical:
MUENO.CG1. Ability to solve complex problems and to make responsible decisions based on the scientific and technological knowledge acquired in basic and technological subjects applicable in naval and ocean engineering, and in management methods
MUENO.CG2. Ability to conceive and develop solutions that are technically, economically and environmentally appropriate to the needs of maritime or integral transportation of people and goods, of the use of oceanic resources and of the marine subsoil (fishing, energy, minerals, etc.), adequate use of the marine habitat and means of defense and maritime security
MUENO.CG8. Ability to analyze and interpret measurements, calculations, evaluations, appraisals, studies, reports, work plans and other similar works
MUENO.CG9. Ability to draft specifications that comply with the provisions of contracts, regulations and standards of the naval and industrial field
MUENO.CG10. Knowledge of maritime traffic and integral transport necessary for the ship project
MUENO.CG11. Capacity for the management and direction of maritime companies
MUENO.CG14. Ability to analyze, assess and correct the social and environmental impact of technical solutions
MUENO.CG15. Ability to organize and direct multidisciplinary work groups in a multilingual environment, and to generate reports for the transmission of knowledge and results

Transversal:
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.
CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: Know and understand the complexity of economic and social phenomena typical of the welfare society, being able to relate welfare to globalization and sustainability; acquire skills to use in a balanced manner compatible technology, technology, economics and sustainability.
CT3. TEAMWORK: Ability to work as a member of an interdisciplinary team, either as a member or performing management tasks, with the aim of contributing to projects pragmatically and sense of responsibility, assuming commitments considering the resources available.
CT4. EFFECTIVE USE OF INFORMATION RESOURCES: Manage the acquisition, structuring, analysis and visualization of data and information in the field of specialty, and critically evaluate the results of this management.
CT5. THIRD LANGUAGE Learning a third language, preferably English, with adequate oral and written and in line with the future needs of the graduates.
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.
CB9. That students can communicate their conclusions and the knowledge and Latest rationale underpinning to specialists and non Specialty clearly and unambiguously.
CB10. Students must possess the learning skills that enable them continue studying in a way that will be largely self-directed or autonomous.

TEACHING METHODOLOGY
Theoretical concepts
Class resolution of practical cases

LEARNING OBJECTIVES OF THE SUBJECT
To understand the particularities of the maritime business, enabling the student to understand the economic consequences of the business decisions, management indicators, risk analysis and profitability of investments, social impact of business activity. The student should be able to understand the accounting and financial information of a company to a sufficient level to enable him to make decisions.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours large group</td>
<td>45,0</td>
<td>100.00</td>
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Total learning time: 45 h

CONTENTS

1. BASIC ACCOUNTING PRINCIPLES

Description:
Conceptualization of the control and registry systems associated to the economical operations conducted in a company. Development of the accounting principles and their main characteristics.

Full-or-part-time: 12h
Theory classes: 6h
Guided activities: 2h
Self study: 4h
### 2. BASIC FINANCIAL MATHEMATICS

**Description:**
Mathematics associated to the analysis of results, loses, gains and exploitation accounts.
Study of the ratios and indicators for the evaluation of companies.

**Full-or-part-time:** 23h 30m  
Theory classes: 7h 30m  
Guided activities: 4h  
Self study: 12h

### 3. INTRODUCTION TO MARITIME TRAFFIC

**Description:**
International trade and maritime traffic. Sea tranport modes: tramp traffic and regular lines.  
Study of the four maritime markets.  
Maritime transport costs.  
Ship exploitation contracts.

**Full-or-part-time:** 25h  
Theory classes: 9h  
Guided activities: 4h  
Self study: 12h

### 4. FREIGHT MARKET

**Description:**
Description of the different agents involved in the freight market, the different types of contracts and the associated responsibilities.  
Recent evolution of the freight market, actual market supply and demand balance.

**Full-or-part-time:** 19h 30m  
Theory classes: 7h 30m  
Guided activities: 2h  
Self study: 10h

### 5. CSR ACCOUNT

**Description:**
Corporate Social Responsability (CSR) account of a company.  
Description and use of a CSR balance analysis tool.  
Future company actions based on the CSR account.

**Full-or-part-time:** 29h  
Theory classes: 9h  
Guided activities: 4h  
Self study: 16h
6. FISHING AND AQUACULTURE

Description:
Description of the global state regarding fishing and aquaculture.
World production.
Weight of aquaculture, aquaculture categories and species produced.
Fishing fleet based on size and region.
Import-export balances and consumption of fishing and aquaculture products.

Full-or-part-time: 16h
Theory classes: 6h
Guided activities: 2h
Self study : 8h

GRADING SYSTEM

25% Class activities
75% Final test

BIBLIOGRAPHY

Basic: