280712 - Management of Port Terminals

Coordinating unit: 280 - FNB - Barcelona School of Nautical Studies
Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering
Academic year: 2020
Degree: MASTER'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT MANAGEMENT (Syllabus 2016). (Teaching unit Compulsory)
MASTER'S DEGREE IN NAVAL AND OCEAN ENGINEERING (Syllabus 2017). (Teaching unit Optional)
ECTS credits: 5  Teaching languages: Spanish

Degree competences to which the subject contributes

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.
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.

Specific:
CE15-MNGTM. Conocimiento del transporte marítimo internacional, los mercados de fletes, la construcción y reparación, así como sus aspectos legales y económicos, la contratación y sus especificaciones.
CE17-MNGTM. Gestión de actividades portuarias.

General:
CG13-MNGTM. (ENG) Capacidad para dirigir, gestionar y explotar buques y artefactos flotantes, navieras y otras empresas marinas.
CG14-MNGTM. Capacitat per al projecte i instal·lació d'equips nàutics i de seguretat del vaixell i instal·lacions marines, dins l’àmbit de la seva especialitat, és a dir, operació i explotació.
CG15-MNGTM. (ENG) Capacidad para resolver problemas complejos y tomar decisiones con responsabilidad sobre bases científicas y tecnológicas en el ámbito de su especialidad.

Transversal:
CT4. EFFECTIVE USE OF INFORMATION RESOURCES: Managing the acquisition, structuring, analysis and display of data and information in the chosen area of specialisation and critically assessing the results obtained.
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.
Know and understand the mechanisms that scientific research is based, as well as the mechanisms and instruments of transfer of results between different socio-economic actors involved in the processes of R + D + I.
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Learning objectives of the subject

- The functions of the Terminal within the global supply chain and international trade
- The role and functions of the manager in the successful and efficient operation of cargo and passenger terminals
- Understanding terminal types, configuration and operations
- How terminals are structured and their relationship to ocean carriers, trucking companies, the port and custom authorities and cargo owners.
- How terminals generate revenue
- Technology and its effect on efficiency
- The importance of labor relations with workers and the role of stevedors
- Regulatory and environmental issues related to terminal operations

Study load

| Total learning time: 45h | Hours large group: | 45h | 100.00% |
## Content

### Chapter 1: Types of port terminals: container, ro-ro passenger, gas, chemical, drybulk, monobuoys

**Learning time:** 17h  
Theory classes: 4h  
Practical classes: 2h  
Guided activities: 1h  
Self study: 10h

**Description:**  

### Chapter 2: Rules and laws of maritime terminals

**Learning time:** 17h  
Theory classes: 4h 30m  
Practical classes: 1h 30m  
Guided activities: 1h  
Self study: 10h

**Description:**  

### Chapter 3: Terminal operation

**Learning time:** 17h  
Theory classes: 4h 30m  
Practical classes: 1h 30m  
Guided activities: 1h  
Self study: 10h

**Description:**  
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## Chapter 4: Terminal managing

**Learning time:** 17h
- Theory classes: 4h 30m
- Practical classes: 1h 30m
- Guided activities: 1h
- Self study: 10h

**Description:**

## Chapter 5: Multimodal Terminal

**Learning time:** 14h
- Theory classes: 1h 30m
- Practical classes: 1h
- Guided activities: 1h 30m
- Self study: 10h

**Description:**

## Chapter 6: Law rules and docker teams

**Learning time:** 14h
- Theory classes: 1h
- Practical classes: 1h 30m
- Guided activities: 1h 30m
- Self study: 10h

**Description:**
Chapter 7: The container depot: types of dry containers, reefer and isotank

Learning time: 14h
- Theory classes: 1h
- Practical classes: 1h 30m
- Guided activities: 1h 30m
- Self study: 10h

Description:

Chapter 8: Tarifes i taxes portuàries: T0, T1, T2, T3, L7 ...

Learning time: 15h
- Theory classes: 2h
- Practical classes: 1h 30m
- Guided activities: 1h 30m
- Self study: 10h

Description:
Analysis of the Consolidated Law on Ports RDL 02/2011, the administrative concession of the Port Authority and the cost of port marine space, concession and private terminals.

Bibliography

Basic:

Complementary:

Others resources: