Course guide
280677 - TFG-NAV - Bachelor's Thesis

Last modified: 13/10/2025

Unit in charge: Barcelona School of Nautical Studies
Teaching unit: 742 - CEN - Department of Nautical Sciences and Engineering.
707 - ESAII - Department of Automatic Control.
756 - THATC - Department of History and Theory of Architecture and Communication Techniques.
732 - OE - Department of Management.
709 - DEE - Department of Electrical Engineering.
713 - EQ - Department of Chemical Engineering.

Degree: BACHELOR'S DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING (Syllabus 2010). (Project subject).

Academic year: 2025 **ECTS Credits:** 24.0 **Languages:** Catalan, Spanish, English

LECTURER

Coordinating lecturer: CLAUDIA BARAHONA FUENTES

Others: Primer quadrimestre:
CLAUDIA BARAHONA FUENTES - GSDT
DEAN JAMES KRAUTH - GSDT

Segon quadrimestre:
CLAUDIA BARAHONA FUENTES - GSDT
DEAN JAMES KRAUTH - GSDT

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CE28.GESTN. Ability to perform an exercise to do individually and original present and defend in court the university, consisting of a project in the field of naval engineering technical ca in their field of propulsion and ship's services, of a professional nature which synthesize and integrate the skills acquired in teaching.

Generical:
CG9.GESTN. ABILITY TO SHAPE, DESIGN AND IMPLEMENT COMPLEX SYSTEMS IN THE FIELD OF NAVAL ENGINEERING. Ability to conception, design and implementation of processes, systems and / or services in the field of naval technical engineering, including the drafting and development of projects in the field of specialization, knowledge of basic materials and technologies, decision making, managing the activities being projects within their specialty, conducting measurements, calculations and valuations, managing specifications, regulations and mandatory standards, assessment of the social and environmental impact of technical solutions adopted, economic, material and human resources involved in the project, with a systematic and comprehensive vision assessment.

Transversal:
04 COE N3. EFFICIENT ORAL AND WRITTEN COMMUNICATION - Level 3. Communicating clearly and efficiently in oral and written presentations. Adapting to audiences and communication aims by using suitable strategies and means.
07 AAT N3. SELF-DIRECTED LEARNING - Level 3. Applying the knowledge gained in completing a task according to its relevance and importance. Deciding how to carry out a task, the amount of time to be devoted to it and the most suitable information sources.
03 TLG. 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

LEARNING OBJECTIVES OF THE SUBJECT

Apply the skills acquired throughout your studies

STUDY LOAD

Type	Hours	Percentage
Guided activities	30,0	5.00
Self study	570,0	95.00

Total learning time: 600 h

CONTENTS

title english

Description:
Individual work, in which the creative and design side must predominate. It is possible to develop it in an institution or in a national or foreign company.

Full-or-part-time: 600h
Guided activities: 30h
Self study : 570h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:
- Sancho Guinda, Carmen [et al.]. Building up communication skills : professional and academic training for engineers [on line]. Madrid: García-Maroto Editores, [2019] [Consultation: 22/12/2022]. Available on: https://www-ingebook-com.recursos.biblioteca.upc.edu/ib/NPcd/IB_BooksVis?cod_primaria=1000187&codigo_libro=8420. ISBN 9788417969059.