

## Course guide

### 280691 - 280691 - Construction of Recreational Craft

**Last modified:** 27/05/2025

<b>Unit in charge:</b>	Barcelona School of Nautical Studies
<b>Teaching unit:</b>	742 - CEN - Department of Nautical Sciences and Engineering.
<b>Degree:</b>	BACHELOR'S DEGREE IN MARINE TECHNOLOGIES (Syllabus 2010). (Optional subject). BACHELOR'S DEGREE IN NAUTICAL SCIENCE AND MARITIME TRANSPORT (Syllabus 2010). (Optional subject). BACHELOR'S DEGREE IN NAVAL SYSTEMS AND TECHNOLOGY ENGINEERING (Syllabus 2010). (Optional subject).

**Academic year:** 2025    **ECTS Credits:** 6.0    **Languages:** Catalan, Spanish

#### LECTURER

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**Coordinating lecturer:** CARLES MORATÓ ARMENGOL

**Others:** Segon quadrimestre:  
CARLES MORATÓ ARMENGOL - DT, GESTN, GTM

#### DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

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**Transversal:**

1. EFFICIENT ORAL AND WRITTEN COMMUNICATION. Communicating verbally and in writing about learning outcomes, thought-building and decision-making. Taking part in debates about issues related to the own field of specialization.
2. TEAMWORK. Being able to work as a team player, either as a member or as a leader. Contributing to projects pragmatically and responsibly, by reaching commitments in accordance to the resources that are available.

#### TEACHING METHODOLOGY

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The course will be divided into theoretical and practical sessions. During the theoretical sessions, the most relevant concepts related to the design of a recreational boat will be dealt with in order to provide the student with the fundamental knowledge on the subject, so that he/she can face this type of projects in the future. These theoretical sessions will be divided according to the main project areas that could exist in the development of a recreational boat design project, such as, for example, architectural design, structure or stability.

After each of the theoretical sessions, there will be practical sessions, during which the students will have to implement the knowledge acquired in order to develop each of the corresponding project branches.

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#### LEARNING OBJECTIVES OF THE SUBJECT

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## STUDY LOAD

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

Total learning time: 150 h

## CONTENTS

### Introducción histórica. Evolución del sector de la náutica de recreo

**Description:**

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**Full-or-part-time:** 2h

Theory classes: 2h

### title english

**Description:**

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**Full-or-part-time:** 21h

Theory classes: 4h

Practical classes: 2h

Guided activities: 5h

Self study : 10h

### title english

**Description:**

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**Full-or-part-time:** 16h

Theory classes: 4h

Practical classes: 2h

Self study : 10h

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**Description:**

content english

**Full-or-part-time:** 33h

Theory classes: 4h

Practical classes: 4h

Laboratory classes: 5h

Self study : 20h



#### title english

**Description:**

content english

**Full-or-part-time:** 33h

Theory classes: 4h

Practical classes: 4h

Laboratory classes: 5h

Self study : 20h

#### title english

**Description:**

content english

**Full-or-part-time:** 16h

Theory classes: 4h

Practical classes: 2h

Self study : 10h

#### Boat manufacturing

**Description:**

Explain how a ship is manufactured step by step in a shipyard.

**Full-or-part-time:** 20h

Theory classes: 4h

Practical classes: 1h

Self study : 15h

#### title english

**Description:**

content english

**Full-or-part-time:** 9h

Theory classes: 4h

Self study : 5h

## GRADING SYSTEM

Practical activities will be carried out during the course and will be evaluated. The final grade for the course will be the arithmetic mean of all the work/workshops carried out. In case of not doing the workshops or activities, there will be the possibility of taking a final exam which will be 100% of the grade of the course. This test will consist of the resolution of two practical exercises as well as theoretical development questions.

As for the re-evaluation of the subject, it will consist of the completion of a practical work related to the subject taught and which will be agreed in advance between the teacher and the student.

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## EXAMINATION RULES.

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The activities will be carried out in groups in which the number of members will be determined according to the number of people registered. The activities will consist of the technical resolution of different aspects to be determined and a final exhibition in front of the rest of the groups to present the results of the designs made.

In the event that a final exam is chosen, its weight will be 100% of the grade for the course. This test will consist of the resolution of two theoretical exercises as well as theoretical development questions.

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