

## Course guide

### 280727 - TFM-GOIE - Master's Thesis

Last modified: 09/05/2023

**Unit in charge:** Barcelona School of Nautical Studies  
**Teaching unit:** 742 - CEN - Department of Nautical Sciences and Engineering.  
709 - DEE - Department of Electrical Engineering.

**Degree:** MASTER'S DEGREE IN THE MANAGEMENT AND OPERATION OF MARINE ENERGY FACILITIES (Syllabus 2016). (Project subject).

**Academic year:** 2023    **ECTS Credits:** 15.0    **Languages:** Catalan, Spanish, English

#### LECTURER

**Coordinating lecturer:**

**Others:**

#### REQUIREMENTS

Having passed the previous credits within the master, before deliver the final master thesis.

#### TEACHING METHODOLOGY

Library staff will provide a course on bibliographic database management and refence managers.

#### LEARNING OBJECTIVES OF THE SUBJECT

To give the basic knowledge of bibliographic databases, reference managers and the elaboration of an academic manuscript.

#### STUDY LOAD

Type	Hours	Percentage
Self study	142,0	94.67
Hours small group	8,0	5.33

**Total learning time:** 150 h

#### CONTENTS

##### Session 1. Introduction to the research.

**Description:**

Presentation at the TFM in online format to explain the procedure pf carry out the TFM as well as the teachers who can be tutors. The students will have to think and send the topic of their TFM in the corresponding task: "Choice TFM topic" within a week.

**Full-or-part-time:** 4h

Laboratory classes: 2h

Self study : 2h

## Session 2. Basic and advanced search of information for the TFM

### Description:

Practical workshop of search of information through databases (Google academic, Web of Science, among others). This session will be an online webinar. Before the following week, all students will have to post the academic articles related to their TFM topic using these databases in the corresponding task.

**Full-or-part-time:** 6h

Laboratory classes: 2h

Self study : 4h

## Session 3. Reference managers

### Description:

Practical workshop where students will work with reference managers and will learn to use it to cite references within the text and create the bibliography through the reference manager. The workshop will be in online webinar format.

During one week, the student must prepare and submit a document containing the following:

- Title of the TFM
- Small summary and objectives of the TFM
- State of the art

This document must include all the documents found cited within the text and with the corresponding bibliography using the reference manager.

**Full-or-part-time:** 6h

Laboratory classes: 2h

Self study : 4h

## Thesis manuscript

### Description:

After the three sessions are carried out, each student will prepare the Final Master's Thesis (TMF).

The TFM is a theoretical and / or practical work that aims to demonstrate the knowledge acquired during the master's degree studies and the student's ability to put them into practice. The TFM must be a work in the field of Management and Operation of Maritime energy installations. This must be of a professional nature, including also the research areas of the degree, and must summarize the skills acquired throughout the master's degree.

The work carried out by the student, under the tutelage of the director of the TFM, must be included in a document: the Manuscript of the TFM. You must follow the guide published by the FNB, which can be consulted at the following link:

Una vez finalizadas las tres sesiones, el estudiante tendrá que redactar el Trabajo Final de Máster (TFM).

**Full-or-part-time:** 25h

Theory classes: 25h



### Public defense

**Description:**

The student will have to prepare and defend a presentation, in which the most relevant results of the TFM carried out will be collected.

before an evaluation panel. The defense of the TFM is a public act.

The student will have to answer any clarifications and questions that the court may ask about the work submitted.

The procedure that defines the act of public defense of the TFM is set out in detail in the regulations of TFM elaborated by the center:

<https://www.fnb.upc.edu/sites/default/files/qualitat/Normativa%20TFM%20-%20JF%20FNB%2022.05.19.pdf>

**Full-or-part-time:** 4h

Laboratory classes: 2h

Self study : 2h

## GRADING SYSTEM

Follow-up all sessions as well as the delivery of the manuscript and the defense in front of a court to pass the subject.

## RESOURCES

**Hyperlink:**

- Guia per a l'elaboració dels Treballs Fi de Grau (TFG) i Treballs Fi de Màster (TFM).  
<https://www.fnb.upc.edu/sites/default/files/secretaria/Guia%20elaboraci%C3%B3%20TFGM.pdf>- Normativa dels Treballs de Fi de Màster. <https://www.fnb.upc.edu/sites/default/files/qualitat/Normativa%20TFM%20-%20JF%20FNB%2022.05.19.pdf>

**Other resources:**

Available library resources