

## **Syllabus Information**

**Academic year:** 2024/25

**Subject:** 66435 - Master's Dissertation

**Faculty / School:** 110 - Escuela de Ingeniería y Arquitectura

**Degree:** 536 - Master's in Mechanical Engineering

**ECTS:** 12.0

**Year:** 1

**Semester:** **Subject type:** Master Final Project

**Module:**

### **1. General information**

The master's final project (MFP) is a 12 subject.

The objective of the MFP is to train the student to carry out, present and defend an integral project of computer engineering, as a demonstration and synthesis of the competences acquired in the master's degree. The student is expected to carry out an original work, under the supervision of a teacher, in a complete way, including the production of the work, presentation of results, discussion of the same, elaboration of a report and public defence.

In accordance with the commitment of the 2030 Agenda, the Master's Dissertation will explicitly show its direct contribution to the SDGs of the United Nations 2030 Agenda. In section 6 of this guide, the most frequent SDGs to which the course contributes are listed.

Passing this subject entitles the student to obtain the title of Master's Degree in Mechanical Engineering.

### **2. Learning results**

- The objective of the MFP is to train the student to carry out, present and defend an integral project of mechanical engineering, as a demonstration and synthesis of the competences acquired in the master's degree.
- The student must also submit a synthetical report of the work produced. It must include a state of the knowledge description in the specific report's field, the experimental work performed and the conclusions derived from it.
- The report must be publicly presented in an appropriate manner.
- The student must also answer to the questions asked on the work and its presentation.

### **3. Syllabus**

The program of the work to be carried out as MFP, as well as the most appropriate typology for its development, is mutually agreed between the student and their director.

The MFP proposal is assessed by the Academic Committee of the degree, which may approve it, reject it or request additional information about it.

The modifications requested with respect to an approved proposal must again have the favourable report of the Academic Committee of the master's degree. The MFP proposal, once approved, will remain in effect as long as the student, with the approval of the director, does not expressly request its modification or cancellation.

### **4. Academic activities**

The student must agree with their MFP director on the training activities, which may consist of academic work, tutoring sessions and evaluation of the follow-up of the work done, depending on the proposed topic and its scope.

Regular meetings will be held to follow up on the work and solve any doubts.

### **5. Assessment system**

The evaluation of the MFP will be based on the following aspects:

- The quality and depth of the work itself, in accordance with the scope and objectives set forth in the proposal and the deposit made by the student, considering the workload foreseen in the degree's verification report,
- the assessment made by its director, co-directors and, if applicable, the presenter in their report
- the public presentation of the work.

After the defence of the MFP, the members of the board of examiners must issue an individual evaluation report, from which the final grade will be assigned.

In the case of a failing evaluation of the MFP, the board of examiners must issue a report detailing the deficiencies, both methodological and of content, which justify this grade, indicating the modifications that must be made to the work, and a new defence will be carried out.

## 6. Sustainable Development Goals

- 7 - Affordable and Clean Energy
- 8 - Decent Work and Economic Growth
- 9 - Industry, Innovation and Infrastructure