

67249 - Master's Dissertation

Syllabus Information

Academic year: 2024/25

Subject: 67249 - Master's Dissertation

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 622 - Master's in Electronic Engineering

ECTS: 12.0

Year: 1

Semester: Second semester

Subject type: Master Final Project

Module:

1. General information

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

The objective of the MFP is to train the student to carry out, present and defend an integral project of electronic 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 defense.

In accordance with the commitment to the 2030 Agenda, the MFP will explicitly show its direct contribution to the SDGs and their targets.

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

2. Learning results

In order to pass this subject, the student must demonstrate that they are able to carry out, present and defend a comprehensive project of electronic engineering, as a demonstration and synthesis of the skills acquired in the subject, combining the requirements of research, development and innovation of the electronics sector.

Upon completion of the subject the student will be able to:

- Integrate concepts and skills acquired in the other modules of the master's degree.
- Develop their activity in an autonomous way.
- Investigate and critically evaluate the existing scientific literature in a given area.
- Generate new knowledge and evaluate its relevance in relation to available knowledge.
- Propose technically feasible solutions to electronic engineering problems.
- Evaluate the possibilities of industrial transfer of the new knowledge.
- Communicate results to specialized and non-specialized audiences.

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 favorable 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, 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, and 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 defense 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, that justify this grade, indicating the modifications that must be made to the work, and a new defense will be carried out.

6. Sustainable Development Goals

7 - Affordable and Clean Energy

8 - Decent Work and Economic Growth

9 - Industry, Innovation and Infrastructure