

66218 - Master's Dissertation

Syllabus Information

Academic year: 2024/25

Subject: 66218 - Master's Dissertation

Faculty / School: 110 - Escuela de Ingeniería y Arquitectura

Degree: 531 - Master's in Chemical Engineering

ECTS: 15.0

Year: 2

Semester: Indeterminado

Subject type: Master Final Project

Module:

1. General information

The master's final project (MFP) is a 15 ECTS subject.

The objective of the MFP is to train the student to carry out, present and defend an integral project of chemical 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, writing 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 Chemical Engineering.

2. Learning results

In order to pass this subject, students must prove they are able to:

- To carry out, present and defend an integral project in chemical engineering, as a demonstration and synthesis of the competences acquired in the subjects, bringing together the requirements to apply the appropriate regulations for its determination: design of tests, instrumentation and performance of the necessary calculations.
- The student must also submit a synthetic 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 adequately answer the questions asked on the work.

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

9 - Industry, Innovation and Infrastructure

12 - Responsible Production and Consumption