

60027 - Master's Dissertation

Syllabus Information

Academic year: 2023/24

Subject: 60027 - Master's Dissertation

Faculty / School: 100 - Facultad de Ciencias

Degree: 538 - Master's in Physics and Physical Technologies
589 - Master's in Physics and Physical Technologies

ECTS: 18.0

Year: 1

Semester: Annual

Subject type: Master Final Project

Module:

1. General information

The purpose of the subject is to introduce the student to research in physics through the performance of an original work. The subject is designed to promote self-learning and autonomous work skills as well as to acquire oral and written communication skills. This activity represents 30% of the total credits of the master's degree, and its completion is mandatory for all students. It can be started at any time during the term although it is recommended to start as soon as possible.

In order to pass the subject, the student must demonstrate that they are capable of developing a research work with independence and originality.

These approaches are aligned with the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>) numbers 4 and 9.

2. Learning results

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

- Develop research work with a significant degree of independence and originality.
- Be able to write and publicly defend a research work.

The master's final project (MFP) requires the completion by the student of an independent research work. The competencies and skills acquired are an effective preparation that will help the student to face the beginning of a doctoral thesis or to enter the labour market outside the academic field.

4. Academic activities

The learning process designed for this subject is based on the following:

- Oral presentations of work
- Written work.
- Tutorials
- Work and personal study
- Personalized follow-up by the MFP tutor/director.

To this end, the activities proposed are as follows:

- In-depth study of topics related to the contents of the master's degree.
- Guided project development
- Written work and its presentation
- Production and oral presentation of works.
- Face-to-face or telematic tutorials

5. Assessment system

A board will assess the works during the designated period and in compliance with the regulations of the University of Zaragoza and the Faculty of Sciences. The directors will issue a report on the work done by each student, which will be considered by the board.

The report shall have a maximum length of 30 pages (excluding annexes, cover page and table of contents) in Spanish or English, with a minimum font size of 11 points, 1.15 line spacing, margins of at least 2.5 cm. It will describe objectives, methodology, results, conclusions and bibliography. If these rules are not respected, the president of the board of examiners will inform the Secretary's Office of the Faculty of Sciences and the work will not be defended.

The annexes may or may not be considered for assessment. The main document must be self-contained, and its assessment will contribute to 50% of the final grade.

In the oral defence the student must demonstrate a sufficient level of understanding. There will be up to 30 minutes for the presentation, and a question time for the board of up to 30 minutes. This activity will contribute to 50% of the evaluation.

The minimum passing grade is 5 out of 10. If the grade is less than five, the board of examiners will point out the defects.