

68352 - Master Thesis

Syllabus Information

Academic year: 2024/25

Subject: 68352 - Master Thesis

Faculty / School: 100 - Facultad de Ciencias

Degree: 628 - Master's Degree in Physics of the Universe: Cosmology, Astrophysics, Particles and Astroparticles

ECTS: 18.0

Year: 02

Semester: First semester

Subject type: Master Final Project

Module:

1. General information

The objective of the subject is that the student applies the knowledge, skills and techniques learned in the master to a scientific research work in one of the research lines offered by the master. The master's final project (MFP) is a personal research work, directed and tutored, but the student is responsible for it. Students will also be encouraged to develop the MFP as part of a research group.

2. Learning results

The MFP involves the production by the student of a research work on a topic related to cosmology, astrophysics, particle physics and astroparticles. All the knowledge and skills acquired throughout the subject are worked on. It is an effective preparation to start writing a doctoral thesis or to enter the labour market as technical personnel.

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

- Develop a research work with a significant degree of autonomy and originality.
- Structure and write a report showing the work performed.
- Publicly defend a research work in front of an expert audience.

3. Syllabus

The MFP will consist of a report or project in which the knowledge, skills, abilities, aptitudes and attitudes acquired throughout the master's degree are demonstrated.

4. Academic activities

The program offers the students help to achieve the expected results and comprises the following activities:

- 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

The student will have at least one director who will follow the development of the work and who will issue a report, which will be considered by the board of examiners.

The written report shall have a maximum length of 30 pages, excluding annexes, cover page and table of contents, in Spanish or English. It should describe the objectives and interest of the work, the methodology followed, and the results and conclusions obtained, in addition to the bibliography used.

This report will be assessed by the designated board, which may ask for the opinion of other teachers in the field of the master's degree, who are specialists in the line of research of the MFP. Its assessment will equal to 50% of the final grade.

The student must also defend the work orally before the board of examiners. The student will have up to 30 minutes for the presentation of the work and a maximum of 30 minutes for discussion with the members of the board. The assessment of this activity will equal to 50% of the total final grade.

In the event that the grade is lower than five, the board of examiners will point out the mistakes, indicating the modifications that need to be made to the work, and a new defence will be held.

6. Sustainable Development Goals

- 4 - Quality Education
- 8 - Decent Work and Economic Growth
- 9 - Industry, Innovation and Infrastructure