

60027 - Master's Dissertation

Syllabus Information

Academic Year: 2020/21

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

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The Master's Dissertation will be supervised by doctors with suitable experience in the chosen research fields. Although the learning process is adapted to each particular case, it promotes the student's autonomous work and discussion with the supervisor and other members of the research team in which the work is carried out. The supervisor will regularly meet the student to keep track of his/her progress, guide the student in the different stages of their work and solve his/her academic questions.

4.2.Learning tasks

The course includes the following learning tasks:

- Learning methodologies suitable for designing a working plan. The student will receive enough information about the work and, under the continuous supervision of his/her supervisor, decide and schedule the next steps through the development of the project. The student will attend seminars, lectures and discussions that the supervisor considers appropriate for him/her.
- Acquisition of the necessary skills in handling scientific equipment, use of specific software, appropriate laboratory protocols, etc. The supervisor will guide the student in this activity where students interact and collaborate with other members of the research team.
- Development tests, experiments, numerical or analytical calculations and the processing and analysis of the

obtained data. These activities will be performed by the student, who will discuss the results with other researchers and director of the research team.

- Preparation of a written report and preparation of the public defense. This activity will take place under the supervision of the dissertation supervisor.

The teaching and assessment activities will be carried out in person unless, due to the health situation, the provisions issued by the competent authorities and by the University of Zaragoza arrange to carry them out on-line.

4.3.Syllabus

4.4.Course planning and calendar

4.5.Bibliography and recommended resources

http://biblos.unizar.es/br/br_citas.php?codigo=60027&year=2019