

Academic Year/course: 2020/21

## 60043 - Internships

### Syllabus Information

**Academic Year:** 2020/21

**Subject:** 60043 - Internships

**Faculty / School:** 100 - Facultad de Ciencias

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

589 - Master's in Physics and Physical Technologies

**ECTS:** 5.0

**Year:** 1

**Semester:** Annual

**Subject Type:** 589 - Optional

538 - External Placements

**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

In this course "Internships", students will have two tutors, one at the collaborating entity and another at the university. The first one will be vinculated to the collaborating entity, will have professional expertise and the required knowledge to supervise the student's work. The academic tutor will be a university professor teaching in the Master's degree.

The Commission of the Master's will guarantee the assignement of Collaborating Centers and academic tutors to the students enrolled in this course.

There is a course on the virtual platform Moodle for the management of the course information.

### 4.2. Learning tasks

The course includes the following learning tasks:

1. Elaboration of a working plan and acquisition of required scientific knowledge and techniques (1 ECTS). Students prepare a portfolio including tasks and activities.
2. Testing, experimental measurements, simulations, calculations, data processing, etc. (3 ECTS). The chosen methodology is based on case-based learning and team work.

3. Periodical meeting with the tutors (1 ECTS). Students prepare scientific documents.

### **4.3. Syllabus**

There is no syllabus for this course.

### **4.4. Course planning and calendar**

This course (5 ECTS) involves 125 hours of student dedication, including at least 100 working hours in the collaborating institution.

A dedication of 25 hours for regular tutorials and reporting is expected.

The submission of reports will coincide with the Master's dissertation submission dates.

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the Faculty of Science <http://ciencias.unizar.es/>

### **4.5. Bibliography and recommended resources**

[http://biblos.unizar.es/br/br\\_citas.php?codigo=60043&year=2019](http://biblos.unizar.es/br/br_citas.php?codigo=60043&year=2019)