Universidad Zaragoza

**Year : 2020/21**

# 26946 - Dosimetry and Radioprotection

## Syllabus Information

**Academic Year:** 2020/21
**Subject:** 26946 - Dosimetry and Radioprotection
**Faculty / School:** 100 - Facultad de Ciencias
**Degree:** 447 - Degree in Physics
**ECTS:** 5.0
**Year:** 3
**Semester:** First semester
**Subject Type:** Optional
**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 activities to achieve the planned goals and skills are the following:

- Lectures
- Resolution of problems
- Laboratory
- Exam

### 4.2.Learning tasks

The ECTS assigned to the planned activities is as following:
Lectures: 3 ECTS
Resolution of problems: 1 ECTS
Practice sessions: 1 ECTS

### 4.3.Syllabus

Introduction to dosimetry and radiation protection
Interaction of photons and charged particles with matter

Radiation dosimetry

Chemical and biological effects of radiation

Radiation protection criteria

Regulation on sanitary protection against ionizing radiations in Spain

## 4.4.Course planning and calendar

The distribution of the planned activities depends on the general schedule of the scholastic year. The dates of the exams will be published by the professors according to the calendar approved by the Faculty.

## 4.5.Bibliography and recommended resources