

## 68407 - Radiology and nuclear medicine research

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	104 - Facultad de Medicina
<b>Degree</b>	530 - Master's in Introduction to Medical Research
<b>ECTS</b>	5.0
<b>Course</b>	1
<b>Period</b>	Indeterminate
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.Basic info**

#### **1.1.Recommendations to take this course**

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

By means of this module we pretend to show the principles of research in radiology and nuclear medicine.

After a presential meeting in order to define the methodological principles, the following sessions

## 68407 - Radiology and nuclear medicine research

will be held by means of a virtual link among the professor and the students, proposing questions and solving doubts in this virtual way.

The student should be able, at the end of this module, to establish an analysis of the legal rules that are applied to the use of ionizing radiations.

### 5.2.Learning activities

A first presential meeting will be maintained and after that several virtual links with different documents to review by the students will be provided.

Virtual debate and dialogue will be encouraged among the students and the professor.

### 5.3.Program

Justification of medical exposure Quality criteria in Diagnostic Radiology Quality criteria in Nuclear Medicine Quality criteria in Radiotherapy Regulation of health radioprotection Regulation on nuclear and radioactive facilities Regulation on installation and use of devices RX with purposes of medical diagnosis Operating specifications of radioactive facilities Radiation protection in biomedical research Radiopharmaceuticals research Exposure to ionizing radiation in particular situations Pregnancy and ionizing radiations

### 5.4.Planning and scheduling

This module will be performed in the second half of the master.

Mondays between January the 9th and March the 13th, between 16 and 20 hours, by means of the teaching digital ring, where the study material is included, generating areas of participation where the students will send their works, and where these works will be debated.

Examinations will be held on March, the 13th and September, the 11th, 2017 at 16.30 hours.

### 5.5.Bibliography and recommended resources

Legal rules that are applied to the use of ionizing radiation (document that will be located in the teaching digital ring).

All the references will be in the Library of the Center and will be located in the web.