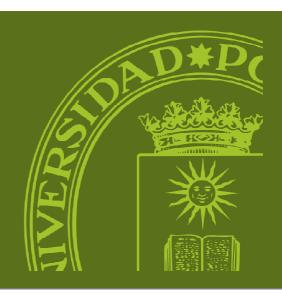
## Course

# **Biomedical Imaging Systems**



Máster Oficial en Ingeniería de Sistemas Electrónicos

www.die.upm.es



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# **Biomedical Imaging Systems**

Number of credits: 4.

Semester: 2

Type: optional



#### **Objectives**

- 1. Analyze the techniques for the acquisition of biomedical imaging that show not only anatomy but also provide information on the operation or biological activity of a tissue or organ.
- 2. Analyze the molecular imaging techniques in detail, using different markers that allow molecules or genes to be identified.
- 3. Apply methodologies and smart processing algorithms that enable the relevant information to be obtained in each biomedical application.

### Program and teaching methodology

The course is based on the delivery of lectures to acquire the aforementioned skills. Students complete the course with a final individual project to be presented publicly as part of the activities required to acquire the application skills and the secondary skills of documentation, communication and publication.

## **Bibliography**

During the lectures

#### **Teachers**

Coordinator: Andrés Santos Lleó

Teachers: Andrés Santos Lleó

Mª Jesús Ledesma Carbayo

## **Teaching Methodology**

Principal lectures for each topic.

#### **Evaluation**

Assessment and rating methods: Test exam (40% of the marks), Final Project (40% of the marks)

#### **Contact**

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