

Curso Académico: ( 2018 / 2019 )

Fecha de revisión: 09-06-2018

Departamento asignado a la asignatura: Departamento de Bioingeniería e Ingeniería Aeroespacial

Coordinador/a: DESCO MENENDEZ, MANUEL

Tipo: Obligatoria Créditos ECTS : 6.0

Curso : 3 Cuatrimestre : 2

## OBJETIVOS

The subjects Medical Physiology I and II are mainly focused to provide a background on human Anatomy and Physiology, but it will also cover some aspects of Pathology and Patophysiology, diagnostic and therapeutic procedures and medical terminology. Whenever it is possible, the different topics will be explained trying to address an engineer's perspective and interests rather than providing a conventional medical or biological viewpoint.

The practical sessions will facilitate a better contact with the real world, using instrumentation and devices available at the University and at the Hospital Gregorio Marañón, and paying visits to several Departments of the Hospital. Among the skills the students are expected to acquire we can mention:

- Basic knowledge of human anatomy and anatomical terminology
- Intermediate-level knowledge of human physiology, with particular emphasis on quantitative descriptions of physiological models, whenever it is possible
- Familiarity with some basic medical procedures
- Ability to communicate with physicians, understanding their statements and being able to read clinical documents

**Peso porcentual del Examen Final:** 60

**Peso porcentual del resto de la evaluación:** 40