

## 29313 - General Physiopathology

### Syllabus Information

**Academic year:** 2024/25

**Subject:** 29313 - General Physiopathology

**Faculty / School:** 229 - Facultad de Ciencias de la Salud y del Deporte

**Degree:** 442 - Degree in Odontology

**ECTS:** 6.0

**Year:** 2

**Semester:** First semester

**Subject type:** Basic Education

**Module:**

### 1. General information

To offer the resources and create the necessary skills, with the final objective of acquiring the necessary knowledge to understand the meaning of the main syndromes that affect the human being.

The specific objectives are:

- 1.- Study of the causes and mechanisms that produce the disease: Etiopathogenesis
- 2.-Study of the functional alterations that occur in the different organs and systems as a consequence of the action of the pathogenic agent: Pathophysiology
- 3.- Acquisition of skills and attitudes necessary for the collection of signs and symptoms.
- 4.- Learn to assess and know the pathophysiological significance of the symptoms recorded in the medical history.

Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda: Goal 3: Health and well-being Goal 4 : Quality education.

### 2. Learning results

1. To know the aetiology and pathogenesis of the main syndromes affecting humans.
2. To be able to identify the mechanisms of disease production, the alterations that the disease induces in the subject's physiology and the way it manifests itself.
3. To know the pathophysiological aspects of the diseases.
4. To interpret a medical record. To understand and use health science terminology.
5. To know the activities carried out in the health centres. To learn the attitude and behaviour before the patient.
6. To recognize the need to maintain and update professional competence, giving special importance to learning, in an autonomous and continuous manner, new knowledge, as well as motivation for quality.
7. To know, critically appraise and apply sources of information related to the disease.

### 3. Syllabus

Block 1. Introduction to pathology: concept of disease. General aetiology and pathophysiology of the general mechanisms of disease production.

Block 2. Pathophysiology of the heart and blood circulation.

Block 3. Pulmonary physiopathology.

Block 4. Central and peripheral nervous system.

Block 5. Pathophysiology of the endocrine glands.

Block 6. Metabolic diseases.

Block 7. Pathophysiology of blood diseases.

Block 8. Diseases of the digestive system.

Block 9. Pathophysiology of renal diseases

Block 10. Pathophysiology of the locomotor system

Workshops and Seminars:

Clinical record and analytical interpretation Cardiovascular system. ECG. Pulmonary pathology in Dentistry. Digestive pathology in dentistry

### 4. Academic activities

The program offered to the student to achieve the expected results includes classroom teaching activities with theoretical classes, workshops and seminars with cases prepared by the students.

Face-to-face teaching: 2,40 ECTS (60 hours)

Theoretical classes: 1.80 ECTS (45 hours)

Seminars: 0.4 ECTS (10 hours)

Workshops: 0.2 ECTS (5 hours)

These activities are complemented with autonomous work of the student dedicated to the study and preparation of practical cases for presentation: 3.6 ECTS (90 hours)

Tutoring: The teacher of practical classes will tutor the students of the group of Seminars assigned to them.

## 5. Assessment system

Assessment activities:

1. The knowledge of the causes, the mechanisms that produce the disease, its pathophysiological alterations and the way it manifests itself is evaluated in writing in the final exam in the calls established by the Centre, through questions to develop the theoretical agenda, the interpretation of ECG and analytical tracings. The grade will be given from 0 to 10 and will account for 70% of the final grade of the subject.

2. The ability to make a syndromic diagnosis from the clinical record and complementary tests is evaluated through the resolution of practical cases. The combined grade will be from 0 to 10 and will represent 20% of the final grade. 3. The student's interpretative skills will be assessed through active and spontaneous participation or at the teacher's request in the Seminars and Workshops.

The combined grade will be from 0 to 10 and will represent 10% of the final grade. The assessment will be made through the registration of the teachers. Attendance to small group activities (workshops and seminars) is mandatory. A minimum of 80% attendance is required to pass the subject.

## 6. Sustainable Development Goals

3 - Good Health & Well-Being

4 - Quality Education