

## 25641 - Human Anatomy II

### Syllabus Information

**Academic year:** 2023/24

**Subject:** 25641 - Human Anatomy II

**Faculty / School:** 127 - Facultad de Ciencias de la Salud

**Degree:** 605 - Degree in Physiotherapy

**ECTS:** 6.0

**Year:** 1

**Semester:** First semester

**Subject type:** Basic Education

**Module:**

### 1. General information

Human Anatomy is considered a basic subject for Health Sciences students. Through knowledge of the human body, its form, the relationships between form and function, as well as between the different organs and systems, students acquire the basis for understanding the physiological mechanisms of health and the pathophysiological mechanisms of disease.

The mastery of new concepts and specialized terminology supports the learning of a new technical language that enables accurate communication between health professionals. At the end of the subject, the student should be able to express themselves clearly about the different parts of the human body, in addition to being able to recognize and locate the different anatomical structures.

The general objective of the subject is to provide students with a comprehensive view of the human body, laying the foundations for understanding health, dysfunction and pathology.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the learning results of the subject provides training and competence to contribute to some extent to the achievement of Goal 3 (Health and well-being).

### 2. Learning results

Upon completion of the subject, the student will be able to:

- Identify, situate and report the different apparatuses, systems and organs of the human body.
- Arrive at an approach to the function and clinical focus of the human body.
- Convey information in an appropriate manner.
- Apply and use the bibliographic material that helps to complement the training in Anatomy.
- Present Anatomy topics in public.
- Working in groups, sharing, managing and contributing information with the objective of promoting interrelation.
- Reason critically, establish a methodology for teamwork and be able to be introduced to the scientific method
- Manage information and perform self-training tasks aimed at continuing education throughout the professional life

### 3. Syllabus

#### BLOCK I

1. -CARDIOCIRCULATORY SYSTEM: Heart. Blood vessels. Lymphatic system.

2. -RESPIRATORY SYSTEM: Respiratory tract. Bronchial tree. Lungs and pleura. Mediastinum.

3. -NERVOUS SYSTEM: General information about the nervous system. CNS: Spinal cord, encephalon. PNS: Spinal nerves or cranial nerves. Main nerve conduction pathways. Vegetative or autonomic nervous system.

-Meninges. Cerebrospinal fluid. Vascularization of the Central Nervous System.

#### BLOCK II

1. -DIGESTIVE SYSTEM: Mouth. Salivary glands. Pharynx. Oesophagus. Stomach. Small intestine. Large intestine.

-Liver. Pancreas.

2. -UROGENITAL SYSTEM: Kidneys. Ureters. Urinary bladder. Urethra. Male genital apparatus. Female genital apparatus.

3. -ENDOCRINE SYSTEM: Endocrine glands.

4. -SENSES: Somatic sensitivity: receptors. Special senses: sight, hearing, balance, smell and taste.

### 4. Academic activities

Expository class: 40 hours

Seminars: 5 hours

Laboratory practices: 15 hours

MASTER CLASSES: 70% of the contents of the program will be explained in this format.

PRACTICAL CLASSES and SEMINARS: 30% of the contents of the program will be explained in this format. The student will have a practice script with the contents of the subject to be recognized in each practical session. For each of the sessions a part of autonomous work is required of the student who must read the script before the session, in order to then be able to identify the different structures in models, atlases or anatomical preparations with the help of the teacher. Autonomous work of the student 85 hours (non-face-to-face)

#### **Tutorials**

The realization of tutorials between teachers and students will be carried out preferably in person, or by videoconference by appointment and within the schedules indicated and yet to be established.

### **5. Assessment system**

Expository class: 40 hours

Seminars: 5 hours

Laboratory practices: 15 hours

MASTER CLASSES: 70% of the contents of the program will be explained in this format.

PRACTICAL CLASSES and SEMINARS: 30% of the contents of the program will be explained in this format. The student will have a practice script with the contents of the subject to be recognized in each practical session. For each of the sessions a part of autonomous work is required of the student who must read the script before the session, in order to then be able to identify the different structures in models, atlases or anatomical preparations with the help of the teacher. Autonomous work of the student 85 hours (non-face-to-face)

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