

## 25600 - Anatomy I. General anatomy and the anatomy of movement.

### Syllabus Information

**Academic Year:** 2019/20

**Subject:** 25600 - Anatomy I. General anatomy and the anatomy of movement.

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

**Degree:** 275 - Degree in Physiotherapy

**ECTS:** 12.0

**Year:** 1

**Semester:** Annual

**Subject Type:** Basic Education

**Module:** ---

### 1.General information

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

### 3.Assessment (1st and 2nd call)

#### 3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

### 4.Methodology, learning tasks, syllabus and resources

#### 4.1.Methodological overview

#### 4.2.Learning tasks

#### 4.3.Syllabus

The course will address the following topics:

#### **Section 1. Anatomy. Introduction and generalities.**

- Topic 1-1. Anatomy: Concept and historic references. Anatomic posture. Corporal spindles and corporal planes. Anatomical nomenclature and terminology.
- Topic 2-2. Peripheral nervous system. Spinal nerves. Components, branches and nervous plexus.

#### **Section 2. Locomotor apparatus: Trunk and neck.**

- Topic 2-1. Vertebral column. Vertebrae. Sacrum and coccyx. The Column as a whole.
- Topic 2-2. Bones of the pelvic girdle. Coxal bone.
- Topic 2-3. Bones of the thoracic cage. Ribs. Sternum.
- Topic 2-4. Joints and ligaments of the vertebral column.
- Topic 2-5. Joints and ligaments of the thoracic cage.

- Topic 2-6. Muscles of the back. Muscles of the nape of the neck.
- Topic 2-7. Muscles of the neck.
- Topic 2-8. Muscles of the thoracic wall. Respiratory muscles. Diaphragm.
- Topic 2-9. Muscles of the abdominal wall. Muscles of the pelvic floor.
- Topic 2-10. Vessels and nerves of trunk and neck.

### **Section 3. Locomotor apparatus: Lower limb.**

- Topic 3-1. Bones of the lower limb. Femur, Rotula, Tibia and Fibula.
- Topic 3-2. Bones of the lower limb. Bones of the foot.
- Topic 3-3. Pelvic joints and pelvic ligaments.
- Topic 3-4. Hip joint. Muscles of the hip.
- Topic 3-5. Muscles of the thigh.
- Topic 3-6. Knee joint.
- Topic 3-7. Tibiofibular joints. Ankle and foot joints.
- Topic 3-8. Muscles of the leg. Muscles of the foot.
- Topic 3-9. Vessels of the lower limb.
- Topic 3-10. Nerves of the lower limb.

### **Section 4. Locomotor apparatus: Upper limb.**

- Topic 4-1. Bones of the upper limb. Scapular girdle. Humerus.
- Topic 4-2. Bones of the upper limb. Bones of the forearm and hand.
- Topic 4-3. Joints and muscles of the scapular girdle.
- Topic 4-4. Shoulder joint. Muscles of the shoulder.
- Topic 4-5. Elbow joint. Radioulnar joints. Muscles of the arm.
- Topic 4-6. Wrist joint. Joints of the hand.
- Topic 4-7. Muscles of the forearm.
- Topic 4-8. Muscles of the hand.
- Topic 4-9. Vessels of the upper limb.
- Topic 4-10. Nerves of the upper limb.

### **Section 5. Locomotor apparatus: Head.**

- Topic 5-1. Skull bones. Skull vault and skull basis.
- Topic 5-2. Facial bones. Orbit. Nasal cavity. Maxilla. Mandible.
- Topic 5-3. Temporomandibular joint. Muscles of the mastication. Suprahyoid muscles.
- Topic 5-4. Facial muscles. Mimic muscles.

## **4.4.Course planning and calendar**

## **4.5.Bibliography and recommended resources**