

25640 - Human Anatomy I

Syllabus Information

Academic Year: 2021/22

Subject: 25640 - Human Anatomy I

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

Degree: 605 - Degree in Physiotherapy

ECTS: 9.0

Year: 1

Semester: Annual

Subject Type: Basic Education

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives.

It favors the acquisition of knowledge related to health services.

A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, assignments, and autonomous work.

Students are expected to participate actively in the class throughout the course. Further information regarding the course will be provided on the first days of class.

4.2. Learning tasks

This is a course organized as follows:

Lectures (70 hours) (learning results 1,2,3,4,5).

Theory sessions. Whole group sessions of 50 minutes each one.

The professor will explain the theoretical contents.

Certain contents can be available on the virtual platform Moodle.

Practice sessions (20 hours) (learning results 1,2,3,4,5,6,7).

Sessions in small/compact groups, where the students work with case studies and problem-solving tasks.

Autonomous work and study (learning results 1,2,3,4,5,7).

Time devoted to study the course contents and prepare the sessions and assignments.

The student must take responsibility in the schemes creation and working plan.

4.3. Syllabus

4.3. Program

SUBJECT PROGRAM

Unit 1: Anatomy: Introduction and Generalities.

Theme 1.1: Anatomy. Concept and historic references. Anatomic posture. Corporal sprindles and corporal planes. Anatomical nomenclature and terminology.

Theme 1.2: Peripheral nervous system. Spinal nerves: Components, branches and nervous plexus.

Unit 2: Locomotor apparatus. Trunk and neck.

Theme 2.1: Vertebral column. Vertebrae. Sacrum and coccyx. Column as a whole.

Theme 2.2: Pelvic girdle. Coxal bone.

Theme 2.3: Bones of the thoracic cage. Ribs. Sternum.

Theme 2.4: Joints and ligaments of the vertebral column.

Theme 2.5: Joints and ligaments of the thoracic cage.

Theme 2.6: Muscles of the back. Muscles of the nape of the neck.

Theme 2.7: Muscles of the neck.

Theme 2.8: Muscles of the thoracic wall. Respiratory muscles. Diaphragm.

Theme 2.9: Muscles of the abdominal wall. Muscles of the pelvic floor.

Theme 2.10: Vessels and nerves of trunk and neck.

Unit 3: Locomotor apparatus. Lower limb.

Theme 3.1: Bones of the lower limb: Femur. Rotula. Tibia. Fibula.

Theme 3.2: Bones of the lower limb: Bones of the foot.

Theme 3.3: Pelvis joints and pelvis ligaments.

Theme 3.4: Hip joint. Muscles of the hip.

Theme 3.5: Muscles of the thigh.

Theme 3.6: Knee joint.

Theme 3.7: Tibiofibular joints. Ankle and foot joints.

Theme 3.8: Muscles of the leg. Muscles of the foot.

Theme 3.9: Vessels of the lower limb.

Theme 3.10: Nerves of the lower limb.

Unit 4: Locomotor apparatus. Upper limb.

Theme 4.1: Bones of the upper limb: Scapular girdle. Humerus.

Theme 4.2: Bones of the upper limb: Bones of the forearm and hand.

Theme 4.3: Joints and muscles of the scapular girdle.

Theme 4.4: Shoulder joint. Muscles of the shoulder.

Theme 4.5: Elbow joint. Radioulnar joints. Muscles of the arm.

Theme 4.6: Wrist joint. Joints of the hand.

Theme 4.7: Muscles of the forearm.

Theme 4.8: Muscles of the hand.

Theme 4.9: Vessels of the upper limb.

Theme 4.10: Nerves of the upper limb.

Unit 5: Locomotor apparatus. Head.

Theme 5.1: Skull bones. Skull vault and skull basis.

Theme 5.2: Facial bones. Orbit. Nasal cavity. Maxilla. Mandible.

Theme 5.3: Temporomandibular joint. Muscles of the mastication. Suprahyoid muscles.

Theme 5.4: Facial muscles. Mimic muscles.

4.4. Course planning and calendar

Presencial sessions:

Theory sessions. Whole group sessions of 50 minutes each one.

4 hours/week in the first four-month of the course.

1 hour/week in the second four-month of the course.

Practice sessions. Compact groups sessions of 50 minutes each one.

1 hour/week along the course.

Widterm exam. With ability of remove matter for june exam: January ? February.

Oral practice exam (In case of no superation in the practice sessions):

June (first call) ? September (second call)

Final exam: June (first call) ? September (second call)

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first days of class or please refer to the "Facultad de Ciencias de la Salud" (<http://fcs.unizar.es>).

4.5. Bibliography and recommended resources

The bibliography can be consult on:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=25640>