

Academic Year/course: 2021/22

26762 - Human Anatomy I (Musculoskeletal)

Syllabus Information

Academic Year: 2021/22

Subject: 26762 - Human Anatomy I (Musculoskeletal)

Faculty / School: 104 - Facultad de Medicina

229 - Facultad de Ciencias de la Salud y del Deporte

Degree: 304 - Degree in Medicine

305 - Degree in Medicine

ECTS: 6.0

Year: 1

Semester: Second semester

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 achievement of the learning objectives.

A wide range of teaching and learning tasks are implemented, such as theory sessions, practice sessions, seminars and tutorials.

Students are expected to participate actively in the class throughout the semester.

Some classroom materials will be available via Moodle. Further information regarding the course will be provided on the first day of class.

4.2. Learning tasks

The course includes the following learning tasks:

- Onsite theory sessions: lecture classes combined with group discussions. Multimedia projections will be used.
Onsite theory sessions: teacher lecture classes combined with group discussions. Multimedia projections will be used.
- Onsite practice sessions: at the dissection room, with the adequate infrastructure and means. An active methodology will be used at these sessions, will be work in small groups, under teacher supervision. The students will be reported about risks and shall commit to comply the safety guidelines. For further information regarding this, consult at the ?Occupational Prevention Risk Unit? in <http://uprl.unizar.es/estudiantes.html>
- Seminars : Integration of theoretical knowledge to practice, based on competence acquisition, under teacher supervision.
- Tutorials: Personal or small group interview with the teacher, for student orientation and consultation of any question about the subject.
In FCCSD,

Given the exceptional situation of the Academic Year 2021-2022, the large group teaching system could be online, that is to say, in a synchronic telematic system, by which teachers and students will be connected through technologies that allow interaction, such as Google Meet.

4.3. Syllabus

The course will address the following topics:

TRUNK

1. Vertebral column
2. Joints of the vertebral column
3. Thorax joints
4. Scapular and pelvic waists
5. Autochthonous back muscles
6. Muscles emigres from the back
7. The neuromuscular system of the thorax
8. Abdominal muscles
9. Inguinal canal
10. Posterior abdominal wall. Lumbar plexus
11. Perineum
12. Diaphragm
13. Trunk arteries
14. Trunk veins
15. Sensitivity of the trunk

LOWER LIMB

1. Bones
2. Hip joint
3. Knee joint
4. Tibiofibular joint and ankle joint
5. Foot joints
6. Lumbar plexus
7. The neuromuscular system of the crural nerve
8. The neuromuscular system of the obturator nerve (Scarpa triangle)
9. Sacral plexus
10. The neuromuscular system of the sciatic nerve
11. The neuromuscular system of the peroneal nerve
12. The neuromuscular system of the tibial nerve
13. The neuromuscular system of the plantar nerves
14. Proximal vascularization
15. Distal vascularization
16. Venous return. Lymphatic vessels
17. Sensitivity

UPPER LIMB

1. Shoulder joint complex
2. Shoulder joint
3. Wrist joint
4. Hand joint
5. Brachial plexus and branches
6. The neuromuscular system of the musculocutaneous nerve
7. The neuromuscular system of the median nerve
8. The neuromuscular system of the ulnar nerve
9. The neuromuscular system of the axillary nerve
10. The neuromuscular system of the radial nerve
11. Axilla

12. Proximal vascularization
13. Distal vascularization
14. Venous return. Lymphatic vessels
15. Sensitivity

HEAD AND NECK

1. Skull as a whole and endocranial fossae
2. Facial skeleton
3. Eye socket
4. Nostrils and other craniofacial fossae
5. Temporomandibular joint
6. The neuromuscular system of the masticatory nerve
7. The neuromuscular system of the facial nerve
8. The neuromuscular system of the X and XI nerves: pharynx
9. The neuromuscular system of the laryngeal nerves: larynx
10. The neuromuscular system of the spinal nerve
11. The neuromuscular system of the hypoglossal nerve: tongue
12. Neck muscles
13. Trigeminal nerve
14. Arterial vascularization of the head
15. Venous return. Lymphatic vessels

4.4. Course planning and calendar

Throughout the second semester, at the designate schedule.

<https://medicina.unizar.es/primer-curso>

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26762>