

25621 - Medical-surgical conditions I

Syllabus Information

Academic Year: 2020/21

Subject: 25621 - Medical-surgical conditions I

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

Degree: 275 - Degree in Physiotherapy

ECTS: 6.0

Year: 3

Semester: First Four-month period

Subject Type: Compulsory

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

The learning process that has been designed for this subject is based on the following:

The combination of theoretical classes in a large group, seminars in a smaller group (half students), small group work (two to four students) and special importance of personal study.

4.2.Learning tasks

The program offered to the student to help achieve the expected results includes the following activities:

1- Lectures in large group (46 hours). Explanation and orientation for the personal study of the different contents of the subject, aiming towards the acquisition of competences and learning outcomes. All the resources of the directivity and of the interaction, and the diverse multimedia support will be used.

2 - Problems and cases: Seminars in two groups (7 hours/group).

3- Group work: Will be done in small groups (2 to 4 students). It aims to stimulate initiative and personal creativity, teamwork, the management of documentary sources, the structuring of logical discourse and the search and achievement of the conclusive synthesis. All of this is a prerequisite for research. It will focus on a suggested topic subject in relation to the contents of the subject. The extension will be of 10-12 folios, indicating the source of information according to the norms of Vancouver, writing with technical terminology and clear and personal style.

4- Individual Tutorials

5- Personal study (3,5 ECTS): The student should be responsible for the creation of structured schemes and work programs and in the context of the time spent on other subjects. It must represent the step of motivation, fostered with the learning

activities described above, to the autonomous exercise of the will.

4.3.Syllabus

The course will address the following topics:

- Module I: Basic concepts / General principles
 - Topic 1- Introduction to Surgery
 - Topic 2- Complications and general care in surgical patients.
 - Topic 3- Infections: Wound and general infections. Nosocomial infections.
 - Topic 4- Tegument trauma: Wounds. Contusion. Cicatrization. Pressure ulcers. Skin grafts.
- Module II Thoracic disorders and respiratory diseases
 - Topic 5- Chest wall deformities and thoracic trauma.
 - Topic 6- Thoracic surgery. Acute respiratory failure.
 - Topic 7- Respiratory diseases. Respiratory infections. Lung cancer.
 - Topic 8- Breast surgery. Thoracic pain syndromes.
- Module III Musculoskeletal disorders: Traumatology and orthopedics
 - Topic 9- Bone trauma. Repair process.
 - Topic 10- Soft tissues and joint injuries (ligaments, muscles, and tendons).
 - Topic 11- Upper extremity trauma.
 - Topic 12- Orthopedic pathology of the upper extremities.
 - Topic 13- Lower extremity trauma
 - Topic 14- Orthopedic pathology of the lower extremities. Osteochondral dystrophies
 - Topic 15- Spinal contusion without spinal cord injury
 - Topic 16- Spine curvature disorders.
- Module IV Rheumatic disorders and pain síndromes of the musculoskeletal system
 - Topic 17- Rheumatoid arthritis. Rheumatic hand. Rheumatic feet.
 - Topic 18- Spondyloarthropathies.
 - Topic 19- Spinal pain.
 - Topic 20- Regional musculoskeletal pain syndromes.

4.4.Course planning and calendar

Calendar of face-to-face sessions and presentation of works

- Theoretical classes in a large group: 4h / week in the first semester
- Seminars in two groups: 7h / semester distributed in 3 seminars (for each group)
- Individual work delivery: last school day of January
- Voluntary theory examination: (eliminates subject matter) half-term
- Final official examination of the theory of the whole subject at the end of the first semester (date approved by the center)
- Test of final control of seminars at the end of the first semester.

The planned training activities will be carried out in person in the classrooms and rooms designated by the Center. In case the conditions change, and if instructions are received from the academic authorities, the activities will be modified and adapted to be carried out in a non-face-to-face mode using the online resources of the University of Zaragoza, which will be notified in advance.

4.5.Bibliography and recommended resources