

25626 - Medical-surgical conditions II

Syllabus Information

Academic Year: 2019/20

Subject: 25626 - Medical-surgical conditions II

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

Degree: 275 - Degree in Physiotherapy

ECTS: 6.0

Year: 3

Semester: Second 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 lectures theoretical classes in a large group, seminars in a smaller group (half students), small group work (two to four students) and the special importance of the personal study.

4.2.Learning tasks

The course includes the following learning tasks:

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 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 a 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- Tutorials

5- Autonomous work and 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:

- Section I: CENTRAL NERVOUS SYSTEM DISORDERS
 - Introduction: Medical-surgical nervous system disorders.
 - Topic 1- Congenital craniocerebral abnormalities. Hydrocephaly. Increased intracranial pressure. Seizures.
 - Topic 2- Vascular brain disorders.
 - Topic 3- Traumatic brain injury.
 - Topic 4- Infectious diseases: meningitis; encephalitis; brain abscess.
 - Topic 5- traumatic spinal cord injury.
 - Topic 6- Other conditions of the spinal cord: spinal congenital abnormalities (Myelomeningocele). Syringomyelia. Friedrich 's Ataxia.
 - Topic 7- Neurological disorders in pediatric patient: cerebral palsy.
- Section II: PERIPHERAL NERVES DISORDERS
 - Topic 8- Nerve injury, basic concepts. Obstetric brachial plexus palsy
 - Topic 9- Facial paralysis. Peripheral vertigo.
 - Topic 10- Traumatic peripheral nerve injury in the upper extremity
 - Topic 11- Traumatic peripheral nerve injury in the lower extremity
 - Topic 12- Nerve entrapment syndromes of extremities.
 - Topic 13- Inflammatory radiculopathies and polyneuropathies (Guillain Barré syndrome). Metabolic polyneuropathies. Radiculopathy from a hernia disc.
- Section III: PERIPHERAL VASCULAR DISORDERS
 - Introduction Medical-surgical diseases of the cardiovascular system.
 - Topic 14- Arterial and venous vascular trauma.
 - Topic 15- Obliteración arterial aguda.
 - Topic 16- Chronic occlusive arterial diseases. Buerger's disease. Diabetic foot.
 - Topic 17- Other vascular conditions: aneurysms, arteriovenous fistulas, functional arterial disease.
 - Topic 18- Venous diseases: chronic venous insufficiency, deep vein thrombosis, thromboembolism, post-thrombotic syndrome.
 - Topic 19- Lymphatic system diseases: lymphangitis, adenitis, adenophlegmon, lymphedema and venous - lymphatic edema.
- Section IV: CARDIAC DISORDERS
 - Topic 20- Ischaemic heart disease.
 - Topic 21- Cardiopericardial trauma
 - Topic 22- Cardiac transplant.

4.4.Course planning and calendar

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

- Lectures in a large group: 4h / week in the first semester
- Seminars in two groups: 7h / semester distributed in 3 seminars (for each group)
- Autonomous 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

4.5.Bibliography and recommended resources