

26013 - Surgical medical conditions I

Syllabus Information

Academic Year: 2020/21

Subject: 26013 - Surgical medical conditions I

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

Degree: 276 - Degree in Occupational Therapy

ECTS: 10.0

Year: 2

Semester: Annual

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 methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, group work, and autonomous work and study.

4.2.Learning tasks

This course is organized as follows:

- **Lectures** (5 ECTS: 50 hours). Explanation and orientation for the personal study of the different contents of the course, aiming at the acquisition of competences and learning results.
- **Practice sessions** (3.7 ECTS: 37.5 hours). Training on a hypothetical scenario and resolution of problems both individually and in teams, using the theoretical bases of the course and the communicative exercise.
- **Group work** (1.2 ECTS: 12.5 hours). It is aimed at the stimulation for the initiative and personal creativity, the use of bibliographical documental sources, the organization of a logical discourse and the searching and achievement of the concluding thesis.
- **Autonomous work and study** (15 ECTS: 150 hours). From the activities indicated, the student must be responsible for the creation of schemes and work programs.

4.3.Syllabus

This course will address the following topics:

Lectures

Section 1.

I. General Part

- Topic 1. Semiological evaluation of patient. Clinical record General characteristics
- Topic 2. Oncology . General principles. Cancer prevention and treatment
- Topic 3. Immunology. Autoimmunity.
- Topic 4. Molecular genetic and Human pathology. Genetic disorder.

II. Medical-Surgical Nervous System Disorders

- Topic 5. Semiology. Exploration and diagnostic methods in Neurology.
- Topic 6. Congenital craniocerebral abnormalities .
- Topic 7. Hydrocephalus. Intracranial Hypertension syndrome
- Topic 8. Intracranial tumours. Topographic Syndromes.
- Topic 9. Craniocerebral infectious processes. Meningitis. Encephalitis. Poliomyelitis.
- Topic 10. Intellectual disability syndrome. Cerebral palsy. Down Syndrome.
- Topic 11. Pyramidal tract pathology. Hemiplegia.
- Topic 12. Extrapyrarnidal tract pathology. Chorea. Athetosis. Parkinson's Disease.
- Topic 13. Ataxias.
- Topic 14. Cranial nerves pathology.
- Topic 15. Spinal cord pathology. Syringomyelia.
- Topic 16. Spinal muscular atrophy and dystrophy.
- Topic 17. Demyelinating diseases. Multiple sclerosis.
- Topic 18. Neuromuscular junction disease . Myasthenia gravis
- Topic 19. Peripheral neuropathy. Guillain Barre syndrome.
- Topic 20. Upper limb nerve injuries.
- Topic 21. Lower limb nerve injuries.

Section 2.

III. Medical-Surgical locomotor apparatus Disorders (Traumatology and Rheumatology included)

- Topic 22. Semiology. Exploration and diagnostic methods in locomotor apparatus.
- Topic 23. Congenital upper and lower limb abnormalities
- Topic 24. Congenital spine abnormalities.
- Topic 25. Infectious pathology. Acute and chronic osteomyelitis. Septic arthritis.
- Topic 26. Osteoarticular tuberculosis. Pott's disease.
- Topic 27. Endocrine metabolic osteopathy. Rickets. Osteomalacia.
- Topic 28. Osteoporosis.
- Topic 29. Paget disease.
- Topic 30. Degenerative osteoarticular pathology. Arthrosis.
- Topic 31. Ankylosing spondylitis.
- Topic 32. Musculoskeletal tumours.
- Topic 33. Deformities of the spinal column. Kyphosis. Lordosis. Scoliosis.

Traumatology

- Topic 34. Fracture Generalities.
- Topic 35. Fractures: complications and treatment .
- Topic 36. Sprains. Dislocations. Joint traumatism.
- Topic 37. Multiple trauma. Shock. Fat and gas embolism.
- Topic 38. Craniocerebral trauma.
- Topic 39. Amputees.
- Topic 40. Spinal column traumas . Vertebral fractures and dislocation
- Topic 41. Spinal injuries.

Rheumatology

- Topic 42. Rheumatoid arthritis. Rheumatic fever
- Topic 43. Gout and gouty arthritis.
- Topic 44. Connective tissue disease. Connective disorders.

Practice sessions

- a) SEMINAR OF RESEARCH METHODOLOGY AND BIBLIOGRAPHIC DATABASES. DESIGN AND EXHIBITION OF WORKS
- b) SEMINARS IN NERVOUS SYSTEM
 - 1. CEREBRAL PALSY
 - 2. CLINICAL CASES (1)
 - 3. CLINICAL CASES (2)
 - 4. INSTRUMENTS FOR THE EVALUATION OF THE QUALITY OF LIFE IN PATIENTS WITH NEUROLOGICAL PATHOLOGY
- c) SEMINARS IN LOCOMOTOR APPARATUS
 - 1. QUALITY OF LIFE IN PATIENTS WITH locomotor apparatus PATHOLOGY
 - 2. FIBROMYALGIA
 - 3. FIRST AID FOR MULTIPLE TRAUMA (LABORATORY PRACTICE)
 - 4. FRACTURE TREATMENT

4.4.Course planning and calendar

Schedule of on-site sessions and project presentation

- Lecture: in large group 3h/week along 30 school weeks.
- Practice sessions: in small groups organized by the faculty: 2h / week /group (4 groups all the academic year)

Compulsory attendance is 85% of the sessions.

- Handing over of the individual assignment: February-May, when the contents of every part are finished.
- Two exams: that eliminate content when section I (Feb) and part II (May) are finished.
- Final exam of the whole course (official call placed by the faculty): June - September, for those students who have not eliminated the contents corresponding to the voluntary mid-term exams or have not taken them. NO MIDTERM MARKS EXAMS ARE KEPT FOR FOLLOWING CALLS (the project mark is maintained during the academic year)

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sport Sciences website and Moodle.

4.5.Bibliography and recommended resources

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- Moll, J.M.H. Reumatología. Madrid, Churchill Livingstone, 1995
- Neurología de Merritt. Editado por Lewis P. Rowland. 10ª ed. Aravaca, McGraw-Hill Interamericana, 2002
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- Principios de medicina interna. Editores, Dennis L. Kasper, (et al.) 19ª ed. México, McGraw-Hill, 2016
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- Rehabilitación médica. Editor J.L. Miranda Mayordomo ; coordinación científica A. Fuster Puigdomenech ; co-editores F. García Pérez [et al.] ; autores: Aguila Maturana, A.M. [et al.] Madrid, Aula Médica, 2004
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