

26013 - Surgical medical conditions I

Información del Plan Docente

Academic Year	2017/18
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.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

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

The combination of theoretical classes in big group, practical classes in small groups, an individual or group project and special attention will be paid to personal study.

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5.2.Learning tasks

The program offered to students to help them achieve the expected results involves the following activities:

1: on-site theoretical classes in the big group (50 hours) (learning outcome result 1, 2, 3) Explanation and orientation for the personal study of the different contents of the subject, aiming at the acquisition of competences and learning results.

2: theoretical-practical on-site seminars in groups (37.5 hours) (learning outcome result 4,5)

Training on hypothetical scenario and resolution of problems both individually and in teams, using the theoretical bases of the subject and the communicative exercise.

3: individual work (12, 5 hours) (learning outcome result 4)

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.

4: Personal study (150 hours) (learning outcome results 1, 2, 3, 4, 5)

From the activities indicated, the student must be responsible for the creation of schemes and work programs.

5.3.Syllabus

MEDICO-CHIRURGICAL AFFECTIONS I

General Part

Lesson 1. Semiological evaluation of patient.Clinical record General characteristics

Lesson 2. Oncology . General principles. Cancer prevention and treatment

Lesson 3. Immunology. Autoimmunity.

Lesson 4. Molecular genetic and Human pathology. Genetic disorder.

II. Medical-Surgical Nervous System Disorders

Lesson 5. Semiology. Exploration and diagnostic methods in Neurology.

Lesson 6. Congenital craniobrain abnormalities .

Lesson 7. Hydrocephalus. Intracranial Hypertension syndrome

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Lesson 8. Intracranial tumours. Topographic Syndromes.

Lesson 9. Craniocerebral infectious processes. Meningitis. Encephalitis. Poliomyelitis.

Lesson 10. Intellectual disability syndrome. Cerebral palsy. Down Syndrome.

Lesson 11. Pyramidal tract pathology. Hemiplegia.

Lesson 12. Extrapyramidal tract pathology. Chorea. Athetosis. Parkinson's Disease.

Lesson 13. Ataxias.

Lesson 14. Cranial nerves pathology.

Lesson 15. Spinal cord pathology. Syringomyelia.

Lesson 16. Spinal muscular atrophy and dystrophy.

Lesson 17. Demyelinating diseases. Multiple sclerosis.

Lesson 18. Neuromuscular junction disease . Myasthenia gravis

Lesson 19. Peripheral neuropathy. Guillain Barre syndrome.

Lesson 20. Upper limb nerve injuries.

Lesson 21. Lower limb nerve injuries.

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

Lesson 22. Semiology. Exploration and diagnostic methods in locomotor apparatus.

Lesson 23. Congenital upper and lower limb abnormalities

Lesson 24. Congenital spine abnormalities.

Lesson 25. Infectious pathology. Acute and chronic osteomyelitis. Septic arthritis.

Lesson 26. Osteoarticular tuberculosis. Pott's disease.

Lesson 27. Endocrinometabolic osteopathies. Rickets. Osteomalacia.

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Lesson 28. Osteoporosis.

Lesson 29. Paget disease.

Lesson 30. Degenerative osteoarticular pathology. Arthrosis.

Lesson 31. Ankylosing spondylitis.

Lesson 32. Musculoskeletal tumours.

Lesson 33. Deformities of the spinal column. Kiphosis. Lordosis. Scoliosis.

Traumatology

Lesson 34. Fracture Generalities.

Lesson 35. Fractures: complications and treatment .

Lesson 36. Sprains. Dislocations. Joint traumatism.

Lesson 37. Multiple trauma. Shock. Fat and gas embolism.

Lesson 38. Craniocerebral trauma.

Lesson 39. Amputees.

Lesson 40. Spinal column traumas . Vertebral fractures and dislocation

Lesson 41. Spinal injuries.

Rheumatology

Lesson 42. Rheumatoid arthritis. Rheumatic fever

Lesson 43. Gout and gouty arthritis.

Lesson 44. Connective tissue disease. Connective disorders.

SEMINARS PROGRAM MEDICO-CHIRURGICAL AFFECTIONS I

a) **SEMINAR OF RESEARCH METHODOLOGY AND BIBLIOGRAPHIC DATABASES** . DESIGN AND EXHIBITION OF

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WORKS

b) SEMINARS IN NERVOUS SYSTEM

1. CEREBRAL PALSY
2. CRANIOCEREBRAL INFECTIOUS PROCESSES
3. DUCHENNE AND GUILLAIN BARRE DISEASE.
4. INSTRUMENTS FOR THE EVALUATION OF THE QUALITY OF LIFE IN PATIENTS WITH NEUROLOGICAL PATHOLOGY

c) SEMINARS IN L OCOMOTOR APPARATUS

1. QUALITY OF LIFE IN PATIENTS WITH locomotor apparatus PATHOLOGY
2. FIBROMYALGIA
3. FIRST AID FOR MÚLTIPLE TRAUMA (LABORATORY PRACTICE)
4. FRACTURE TREATMENT

5.4.Course planning and calendar

Schedule of on-site sessions and project presentation

- Theoretical classes in big groups: 3h/week along 30 school weeks.

-Practical classes in small groups organized by the Centre: 2h / week /group (4groups all the year)

Compulsory attendance in to 85% of them.

Handing over of the individual work: February-May, when the contents of every part are finished. It will be established the days of the presentation and reading at the beginning of the academic year.

Two theoretical tests that eliminate material when February (part I) and May (part II) are finished.

Final theoretical exam of the whole subject (official call placed by the school): June -September, for those students who have not eliminated the contents corresponding to the voluntary mid-term exams or have not taken them. **NO MID TERM MARKS EXAMS ARE KEPT FOR FOLLOWING CALLS (the project mark is maintained during the academic year)**

5.5.Bibliography and recommended resources

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- Lindsay, Kenneth W., Bone, Ian, Callander, Robin: Neurología y neurocirugía ilustrada. Madrid, Churchill Livingstone, 1993
- Marques, J.: Tratado de enfermedades reumáticas. Barcelona, JIMS, 1991
- Medicina interna. Fundado por A. von Domarus ; continuado por P. Farreras Valentí ; director C. Rozman ; subdirector, F. Cardellach López. 16ª ed. Madrid, Elsevier, 2008
- Mohr, J.P.: Manual de problemas clínicos en neurología. 2ª ed. Barcelona, Salvat, 1990
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Neurología de Merritt. Editado por Lewis P. Rowland. 10ª ed. Aravaca, McGraw-Hill Interamericana, 2002

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Patología del aparato locomotor en ciencias de la salud. Directores: Antonio J. Pérez-Caballer, José A. de Pedro Moro. Madrid, Editorial Médica Panamericana, 2004

Pérez Arellano, José Luis: Manual de patología general. 6ª ed. Barcelona, Masson, 2006

Principios de medicina interna. Editores, Dennis L. Kasper, (et al.) 19ª ed. México, McGraw-Hill, 2016

Protésis, ortesis y ayudas técnicas. Editado por Ramón Zambudio Periago Barcelona, Elsevier Masson, 2009

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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