

26720 - Surgical Diagnoses and Therapy Procedures

Información del Plan Docente

Academic Year	2018/19
Subject	26720 - Surgical Diagnoses and Therapy Procedures
Faculty / School	104 - Facultad de Medicina
Degree	304 - Degree in Medicine
ECTS	6.0
Year	3
Semester	Second semester
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)

Theoretical exam:

Multiple choice exam (40 items, 5 possible answers)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The learning process is based on:

Classroom lessons

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Clinical practice

Seminars and workshops

Scientific work

Tutorials

Activities:

Presential activities

- Big groups activities (45 %)

- Small groups activities (45 %)

- Seminars
- Workshops
- Clinical practice
- Tutorials

- Evaluation

Non presential activities

Credit
distribution

Credits 6,00
Hours 150,00

	%	
Presential	45,00	
Non presential	55,00	

Presential	
Non presential	

Hours		Credits
67,50		2,70
82,50		3,30

150,00 6,00

Non presential			
Factor		Hours	Credits

Big groups (45%)	45,00		
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Lectures		30,38	1,22
Small groups (45%)	45,00	30,38	1,22

Seminars	20,00	6,08	0,24
Workshops	20,00	6,08	0,24

1,50	45,56	1,82
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1,50	9,11	0,36
0,50	3,04	0,12

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Clinical Practice	20,00	6,08	0,24		0,50	3,04	0,12
Scientific work and assessment	20,00	6,08	0,24		1,50	9,11	0,36
Clinical case based learning	10,00	3,04	0,12		1,50	4,56	0,18
Tutorials	10,00	3,04	0,12		0,50	1,52	0,06
Subtotal		30,38		1,22		30,38	1,22

4.2.Learning tasks

The program, offered to the students to help them to reach the results includes the following activities:

Presential learning activities (45%).

- **Big Groups learning activities** (Classroom activities)

The subject is divided in 5 major sections subdivided in 23 lessons. Section-1 corresponds to "Fundamentals of surgery", distributed in 7 lessons. Those lessons include basic concepts of surgery that allow the students to introduce in the classically so called "surgical diseases", the study of diseases susceptible to surgical treatment.

Sections 2, 3 y 4 deals, respectively, all the 3 commonest processes in the field of surgery that should be acquainted by the general practitioners : "Trauma" (7 lessons), "Infections" (4 lessons) and "Tumors" (1 lesson). Finally section -5 deals with "Trasplantation" (1 lesson). Due to the great advance in basic and clinical knowledge in transplant surgery and surgical research (1 lesson)

- **Small groups learning activities**

The students must accomplish, during the semester, the small group activities. All the students will be allocated in one of the 12 groups of activities. The first week include Hospital practice, the second week includes seminars and workshops activities.

Week-1

Monday Tuesday Wednesday Thursday Friday

11.00-14.00 h. Clinics Clinics Clinics Clinics Clinics

Week-2

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Monday Tuesday Wednesday Thursday Friday

11.00-14.00 h. Seminar-1 Seminar-2 Seminar-3 Seminar-4 Seminar-5

Hospital practice

The students will accomplish a week of Hospital practice aiming at becoming familiar with the operation room, the hospitalization wards and the outpatient clinic

Every student with access to personal data or patients clinical records is required to keep confidentiality of the information.

All the students will be advised about the risks that the hospital and the laboratory practice, seminars and workshops can carry out and their consequences, including the handling of potential dangerous materials and also what to do in case of accident. All the students must sign a written compromise engagement of fulfilling all the security rules, otherwise they could not complete the period of practice.

For more information please refer to: Risk Prevention Unit, section: Students information

<http://uprl.unizar.es/estudiantes.html>

Non presential learning activities (55%)

This correspond to the autonomous and personal time dedicated to the program lessons, seminars and workshops or scientific work preparation.

***Tutorials**

Tutorials will be personal appointments, it correspond to a presential activity. Appointments should be requested to the correspondent professor asking for the date (day and hour) and also could be non presential contacts (via e.mail or other electronic tools). Appointments should be scheduled during office time (8.00 h. to 15.00 h.).

In group tutorials could also been scheduled, conducted by the correspondent professors in charge of seminars and workshops.

At the beginning of the academic semester, students could ask for a tutor assignment. The aim of tutor assignment is to obtain an appropriate academic guidance

4.3.Syllabus

Big Groups activities

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PROGRAM COURSES (Lectures)

The program is divided in 5 main sections

1- Fundamentals of Surgery

1. History of surgery
2. Asepsis and antisepsis, The operation room.
3. General, local and regional anesthesia.
4. Haemostasis, bleeding control in surgery
5. Preoperative procedures, surgical risk evaluation.
6. General preoperative care, immediate postoperative care
7. Basic techniques of surgery.
8. Scope of modern surgery (major ambulatory surgery, minimally invasive, fast-track)

2-Trauma

9. Biological response to surgery, trauma and infection. Systemic Inflammatory response syndrome and multi-organ failure.
10. Shock.
11. Contusion and wounds. Wound healing, scarring complications.
12. Special etiology wounds.
13. Explosion wounds, crush syndrome and compartment syndrome.
14. Heat injuries, burns, electrical injuries.
15. Cold injuries: frostbite.

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16. Initial assessment and treatment of multiple trauma patients.
17. Damage control surgery
18. General principles of plastic surgery, grafts, flaps, and pressure ulcers.

3-Infections

19. Surgical infections, general perspective.
20. Surgical site infections, phlegmons and abscess.
21. Distant infections
22. Severe soft tissue infections

4-Oncology

23. Principles of surgical oncology
24. Surgical aspects of breast cancer
25. Surgical aspects of soft tissue tumors

5-Transplantation

26. Organ and tissue transplantation, general perspective.
27. Surgical research

- Small groups activities

Seminars and Workshops.

The content of these seminars/workshops are related to the program of the course and will be organised in oral presentations, skills, and active involvement of the student.

Every seminar/workshop will be organised in groups of 20-22 students

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Dates, distribution and timetable will be available in advance at the Department of surgery notice boards

The Department of surgery has scheduled the following seminars/workshops for the 6^o semester students that course the subject: Fundamentals of Surgery

Seminars and workshops

Seminar-1 (Monday)

Devices in surgery

Seminar-2 (Tuesday).

Airway control

Seminar-3. (Wednesday)

Videosurgery

Seminar-4. (Thursday)

Bleeding control

Seminar-5 (Friday).

Wound management

Clinical practice/case resolution

All the students will complete a period of clinical practice in the hospital, in contact with surgical wards, OR and outpatient clinic. All the students will be allocated in the different hospital services following the distribution previously scheduled in the Department of surgery

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Duration: 5 days of clinical practice during the correspondent week (from Monday to Friday) along the semester, from 11.00 h. to 15.00 h.

4.4.Course planning and calendar

Calendar of on-site activities and students scientific works presentation

-Classroom lessons: 3 classroom lessons (lectures) every week (Monday, Tuesday, Wednesday), from the 8.00 h. to 9.00 h.

-Seminars and workshops: 5 seminars and workshops along the one week period of the small groups activities (from 11.00 h. to 14.00 h.)

-Clinical practice: 5 days of clinical practice along the one week period of clinical practice (from 11.00 h. to 15.00 h.)

-Students scientific work: All the students will develop a scientific work that will be presented at the end of the semester (before the final exam)

Final exams:

Final evaluation June: June 28, 2019

Final evaluation September: September 6, 2019

4.5.Bibliography and recommended resources

<http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a>