

**COURSE DATA****Data Subject**

Code	34351
Name	Podiatric surgery I
Cycle	Grade
ECTS Credits	6.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1208 - Degree in Podiatry	Faculty of Nursing and Chiropody	2	Second term

Subject-matter

Degree	Subject-matter	Character
1208 - Degree in Podiatry	16 - Podiatric surgery	Obligatory

Coordination

Name	Department
CHIVA MIRALLES, MARÍA JOSÉ	125 - Nursing
NAVARRO FLORES, EMMANUEL MARIA	125 - Nursing

SUMMARY

18.19

The subject of Podiatric Surgery I (34,351) comprehensively addresses the theoretical, practical and legal issues that the students of the Degree in Podiatry from the University of Valencia, need to know to carry out actions optimally surgical clinics. That is why within the framework of this course will be conducted training strategies aimed at addressing the same nuclear issues such as: the legal documents involved in surgical practice, preoperative protocols, techniques of anesthesia in the foot protocols and possible postoperative complications and knowledge of surgical techniques over the nail apparatus, surgery of the soft tissues of the foot, infiltration techniques.

The subject of Podiatric Surgery I is located in the module in the field of podiatric surgery consisting of 12 credits, of which 6 credits are in the course of Podiatric Surgery I. This is taught in the second year of the Degree in podiatry, specifically during the second half.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

18.18

Given its status as mandatory training, only specifies the requirements for access to studies initially Degree in Podiatry.

Given the field of action of matter podiatric surgery, establishing networks with the following subjects: Anatomy, Pathology, Dermatology, Pathology Podiatric very closely with Quiropodologia.

It is recommended that the student possesses some knowledge of podiatric surgery metalanguage in English because some texts from the literature or some interesting new books are publishe

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

1208 - Degree in Podiatry

- Know and use the instruments used in surgery and chiropodology, the methods of sterilisation and the taking of samples for cultures.
- Know and apply technical procedures and skills in podiatric surgery. Know and diagnose foot pathology with surgical indication.
- Know and use the clinical history, assess and apply the preoperative protocol and informed consent.
- Know and apply the specific pharmacology for podiatric use. Know pre- and post-surgical pharmacology, the types of anesthesia in podiatry and application techniques.
- Gain skills in the application of podiatric techniques of nail surgery, podiatric soft tissue surgery and foot bone and joint surgery.
- Know and use the techniques of exploration, diagnosis and treatment of the tumours in the foot. Know and know how to treat the complications and side effects derived from the application of podiatric and chiropodological surgery techniques.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

- Place the students in the conceptual framework of Podiatric Surgery, its projection and experience in the field of podiatry.
- Instruct students to the field of technical procedures and skills in Podiatric Surgery.
- To teach the students clinical strategies to address drug treatments used in the field of podiatric surgery.
- Provide the student of clinical capabilities that allow you to evaluate, recognize and perform cardiopulmonary resuscitation techniques and emergency resuscitation.
- Teach the students the methods and techniques that allow observation and identification of skin



lesions and treatable nail apparatus.

DESCRIPTION OF CONTENTS

1. INTRODUCTION (T 1) Podiatric surgery

Topic 1: Podiatric surgery: concept, definition and current context. Work methodology, bibliographical sources and evaluation criteria.

2. T. 2-3-4-5-6-7-8-9-10-11)

Topic 2: History surgery. Tests. Surgical clinical documentation. Informed consent.

Topic 3: Preparation of the surgical field. Surgical handwashing. Management and adequacy of surgical attire.

Topic 4: Criteria for patient selection and ASA classification. Precautions and contraindications in Podiatric Surgery.

Topic 5: Introduction to preoperatively. Preoperative surgical evaluation. Analytical normal, sequence of application, interpretation of variations.

Topic 6: Tests vascular surgery: Oscillometry, Doppler index, application techniques, interpretation of results.

Topic 7: Pharmacological Therapy in podiatric surgery: preoperative pharmacological treatment. Drug treatment after surgery. Antibiotic prophylaxis in surgery. Thromboembolic prophylaxis in podiatric surgery. Risk factors, indications.

Topic 8: Intraoperative complications in Podiatric Surgery. Vagal syncope. Bleeding. Drug toxicity, allergic reactions and anaphylaxis.

Topic 9: Postoperative complications. Surgical hemostasis. Tourniquet injury.

Topic 10: Sutures and drains. Concept. Qualities of an ideal suture. Classification according to the origin, structure and retention in the body.

Topic 11: suture material. Characteristics of the threads and the needles. Types of characteristics, indications, contraindications, techniques and complications of sutures used in podiatry.

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Topic 12: Local anesthetics podiatric use. Types of locks in podiatry by anatomical location.

Topic 13: Application Techniques, indications and complications.

Topic 14: punctures and leakage. Concept, indications and complications.

4. (T 15-16-17-18-19-20-21)

Topic 15: Introduction to nail surgical techniques. Classification of surgical procedures nail

Topic 16: Acting on the soft tissue and nail plasty. Definition, indications, surgical techniques and complications.

Topic 17: Techniques for ablation of the nail plate. Definition, indications, surgical techniques and complications.



Topic 18: Matricectomy partial nail involvement. Definition, indications, surgical techniques and complications.

Topic 19: Matricectomy partial nail involvement and soft tissue. Definition, indications, surgical techniques and complications.

Topic 20: Matricectomy chemical. Definition, indications, surgical techniques and complications.

Topic 21: Total Matricectomy. Definition, indications, surgical techniques and complications.

Topic 22: Total Matricectomy of nail unit. Procedure Mini-Kaplan. Procedure Syme on lesser fingers

5. soft tissue surgery (23-24-25-26-27-28-29)

Topic 23: Introduction to soft tissue surgery

Topic 24: Biopsies. Definition, indications, surgical techniques and complications. Realization methodology, clinical report of biopsies.

Topic 25: periungual tumors. Periarticular tumors. Tumors of the nail bed. Definition, indications, surgical techniques and complications.

Topic 26: connective tissue tumors. Tendon tissue tumors. Definition, indications, surgical techniques and complications.

Topic 27: Warts. Definition, indications, surgical techniques and complications.

Topic 28: Cryosurgery. Electrosurgery: types, applications and clinical indications, risks and complications.

Topic 29: Malignancies. Clinic identification

6. Training sessions

- Protocol Preoperative: surgical Hygiene
- Protocol Surgical Surgical instruments. Local anesthesia
- Surgical maneuvers: incision, dissection, hemostasis, suture

7.

- Introduction to research in podiatric surgery

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	62,00	100
Laboratory practices	20,00	100
Classroom practices	6,00	100
Tutorials	2,00	100
Attendance at events and external activities	10,00	0
Development of group work	8,00	0
Development of individual work	5,00	0
Study and independent work	17,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparation of practical classes and problem	5,00	0
TOTAL	150,00	

TEACHING METHODOLOGY

The teaching methodology is based on alternating between lectures lasting 55 minutes and practice throughout the weekly schedule, to which there are the hours of seminars and activities that contribute to the acquisition of practical skills and attitudes related to the theoretical.

The objectives of the master classes are:

- Introduce the basics of programming content in relation to the theoretical block.
- Establish guidelines for analyzing and addressing the various issues
- Determine a consistent line of learning from the characteristics of the item (adequacy, coherence and cohesion) applied to the topic at hand.
- To deepen the student's previous knowledge / a in the fields of anatomy and physiology, placing them in the new object of study.
- Demonstrate links with other subjects already studied.
- Justify the existence of a therapeutic and surgical podiatric style itself, from the mechanisms and tools of the art.

To do this, the lectures are based on the alternation of theoretical exposition and commentary of illustrative examples of each of the programmed contents.

The theoretical discussion focuses on the presentation through slides prepared in Power Point program, the fundamentals of each subject and each paragraph. These slides will be available to students in the Virtual Classroom, which will facilitate the monitoring of the theoretical sessions, and the acquisition of the habit of taking notes from central concepts. One technique that best fitness profile has been shown to stimulate the students time and arouse their interest has been the construction of knowledge by the student himself. That is why we provided the topic is likely to be addressed in this form will be provided with this philosophy.



TEACHING METHOD (CLASSROOM PRACTICE: SEMINAR-WORKSHOPS (P)

Supervised special sessions with shared participation of teachers, students.

TEACHING METHOD (LAB) (L)

The implementation of the practices is essential for students to acquire skill in the relevant procedures in the course. These practices are held at the workshop in the classroom B0. the distribution of students in groups, will allocate the school secretary and their total number per group is between 16 to 24 students. You must respect the assigned group and attendance at these practices will be mandatory.

METHOD TEACHING (TUTORING) (U):

BE ESTABLISHED TUTORIALS:

- *PERSONAL TUTORIALS:*

Monitor students' personal projects and broaden or deepen the information provided in other learning situations.

- *VIRTUAL TUTORIALS:*

Available to all students enrolled through the university e-mail.

EVALUATION

They combine theoretical training activities, practices, tutoring and those that include the study, evaluation, and generally work individually and in teams the students.

Distribution by types of activities in ECTS credits is as follows:

- expository activities: theoretical lectures, seminars, presentation of papers. Approximately 15%.
- Practical activities: resolution of cases, classroom practices, software, workshops, training outside the classroom. Approximately 25%.
- teamwork activities, study, individual work and evaluation. Approximately 60%.

Practical activities:

The student must perform 100% of the sessions and labs designed. Within the framework of the labs the students will perform a lab notebook that will be submitted to the teacher at the end of the block of the laboratory for evaluation and sharing. The purpose of this activity is to configure a basic surgical protocol of each student you can apply in any other subject of the qualification you have a link with Podiatric general. The implementation of this protocol and assistance to the two practice sessions which will be submitted for discussion and approval protocol usually represents 20% of the grade of this section.



Restrictions: Due to the characteristics of the subject (large practical component, configured with essential clinical skills in order to carry out the competition results). It is essential to attend and complete 100% of practices, which is why the student loses the right to attend the examination but practical program classes.

Generally be observed by the teacher the following assumptions for evaluation:

Attitude:

- Compliance with the schedule of practices.
- showing interest in practice.
- correct image (uniform)
- Acceptance of suggestions and criticisms.
- Recognition of errors.
- Possess initiative.

Skill:

- Using standards of hygiene.
- Skill and competence in the procedures.
- Correct use of surgical supplies.
- Correct use of instrumental exploration.
- Collection of materials and instruments used.

Knowledge:

- Demonstrates knowledge to develop practice.
- Demonstrate prior knowledge.
- Organize knowledge for application.

Capacity for:

- Establishes a right relationship with colleagues / as
- Establishes a right relationship with the / these officers.
- Stable an attitude of respect to the clinical setting.

This block will also be evaluated by conducting practical examination in which students demonstrate the practical skills that has internalized after having traveled the route proposed in the lab sessions, which corresponds to 20% of the grade of this paragraph.



Theoretical activities:

The theoretical part of the course is assessed by a test consisting of a multiple-choice test with 50 questions of theoretical and practical content of multiple choice with one correct answer out of five possible. Each question answered poorly subtracted 1/3. The maximum score is 50 points and is required to reach 25 points to pass this section

The assessment of this section corresponds to 60% of the total grade for the course.

During the presentation of the course the students will be provided with the teaching guide for the subject of Podiatric Surgery I, thematic units that will be addressed during the course, complete the internship program and the literature needed to conduct the seminars. It will explain the assessment of each of the sections of the course, emphasizing the need to pass all three parts that are under evaluation in order to overcome the whole subject.

Expository activities:	10%
Practical activities:	30%
Theoretical activities:	60%
Podiatric Surgery I:	100%

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Additional

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