

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

Code	34351
Name	Podiatric surgery I
Cycle	Grade
ECTS Credits	6.0
Academic year	2021 - 2022

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
BENIMELI FENOLLAR, MARÍA	125 - Nursing
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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

OUTCOMES

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

- 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.

3.

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.

5. soft tissue surgery (22-23-24-25-26-27-28)

opic 22: Introduction to soft tissue surgery

Topic 23: Biopsies. Definition, indications, surgical techniques and complications. Realization methodology, clinical report of biopsies.

Topic 24: periungual tumors. Periarticular tumors. Tumors of the nail bed. Definition, indications, surgical techniques and complications.

Topic 25: connective tissue tumors. Tendon tissue tumors. Definition, indications, surgical techniques and complications.

Topic 26: Warts. Definition, indications, surgical techniques and complications.

Topic 27: Cryosurgery. Electrosurgery: types, applications and clinical indications, risks and complications.

Topic 28: 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%

REFERENCES**Basic**

- Ahumada Vázquez, J I; Farmacología práctica para las diplomaturas en ciencias de la salud con autoevaluación; Madrid: Díaz de Santos, DL 2002.
- Baran, R; Baran and Dawbers diseases of the nails and their management; 3^a ed; Oxford: Blackwell Science, 2001.
- Batalla M, Beneyto F, Ortiz F. Manual Práctico de Cirugía Menor. Ed Obrapropia- SVMFiC. Valencia, 2012.
- Izquierdo Cases J O. Podología quirúrgica, Barcelona: Masson, 2006.
- Kirk RM. Técnicas quirúrgicas básicas. Ed Elsevier.2003 Madrid 2003.



- Martínez Nova, Alfonso. Podología: atlas de cirugía ungueal. Ed. Medica Panamericana, Madrid 2006.
- Nuñez-Samper, M. (coord.) Técnicas quirúrgicas en cirugía del pie Masson, Barcelona 2003.

Additional

1. Balcells Gorina, A; La Clínica y el laboratorio: interpretación de análisis y pruebas funcionales: exploración de los síndromes: cuadro biológico de las enfermedades; 19ª ed; Barcelona: Masson, 2002.
 2. Banks A; McGlamrys comprehensive textbook and ankle surgery; 3ª ed; Philadelphia, etc: Lippincott Williams & Wilkins, cop 2001.
 3. Butterworth R, Dockery G L; Atlas a color y texto de cirugía del antepie; London: Mosby-Wolfe Publishing, 1992.
 4. Christman R; Foot and ankle radiology; St. Louis (Mo): Churchill Livingstone, 2003.
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 10. Levy L, Hamilton V; Principles and practice of podiatric medicine; New York, etc: Churchill Livingstone, 1990.
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 12. Lorimer D L; Neales disorders of the foot: diagnosis and management; 6ª ed; Edimburg: Churchill Livingstone, 2002.
 13. McGlamry E D, Banks A S, Downey M S. ; Comprehensive textbook of foot surgery; 2nd ed, Baltimore: Williams & Wilkins, cop. 1992.
- 14. Mercado, O A; Atlas de Cirugía del pie; Illinois: Carolando Press, 1995.
 - 15. Myerson, M S; Foot and ankle disorders; Philadelphia: Saunders, cop 2000.
 - 16. Núñez-Samper, M; Biomecánica y cirugía del pie; Barcelona: Masson, DL 1997.
 - 17. Novel, V; Planell, E.; Podologia: guía pràctica; Barcelona : Publicacions i Edicions Universitat de Barcelona, 2005
 - 18. Scurran, B L; Foot and ankle trauma; 2º ed; New York-Madrid etc.: Churchill Livingstone, cop 1996.
 - 19. Thomson, T; Assisting at podiatric surgery: a guide for podiatric students and podiatric theatre assistants; Edinburgh: Churchill Livingstone, 2002.

ADDENDUM COVID-19



This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

. Continguts / Contenidos

1. Se mantienen los contenidos inicialmente recogidos en la guía docente

1. Es mantenen els continguts inicialment arreplegats a la guia docent

2. Volum de treball i planificació temporal de la docència

2. *Volumen de trabajo y planificación temporal de la docencia*

1. Mantenimiento del peso de las distintas actividades que suman las horas de dedicación en créditos ects marcadas en la guía docente original. Con la excepción de la prueba práctica que se sustituye por la evaluación continua, se mantienen los requisitos de entrega de la ficha de prácticas, la memoria y la realización de las prácticas p y l de manera asíncrona y cuya asistencia para completar el % obligatorio se registrará mediante la realización del cuestionario de cada sesión

1. Manteniment del pes de les diferents activitats que sumen les hores de dedicació en crèdits ects marcades en la guia docent original. amb l'excepció de la prova pràctica que es substitueix per l'avaluació contiinua, es mantenen els requisits de lliurament de la fitxa de pràctiques, la memoria i la realització de les pràctiques P i L de manera asincrona i l'assistència per completar el % obligatori, es registrarà mitjançant la reatlizació del questionari de cada sessió

3. Metodología docente

3. *Metodología docente*

1. La metodología docente para impartir el contenido teórico de las horas T, se realizará mediante video conferencias apoyadas en las presentaciones power point, realizadas en el horario establecido en la OCA de la titulación, así como también se facilitarán presentaciones power point locutadas por el profesorado de la asignatura.



1. La metodologia docent per a impartir el contingut teòric de les hores T, es realitzarà mitjançant vídeo conferències recolzades en les presentacions power point, realitzades en l'horari establert en l'OCA de la titulació, així com també es facilitaran presentacions power point locutades pel professorat de l'assignatura.

2. Subida de materiales al Aula virtual virtual 2. Pujada de materials a l'Aula virtual

3. Propuesta de actividades por aula virtual 3. Propostad'activitats per aula virtual

El trabajo autónomo realizado por el alumnado de manera asíncrona sustituye las prácticas de laboratorio y la realización y registro del cuestionario sustituye la presencialidad en las actividades P y L.

Hasta la fecha de la suspensión de la docencia presencial el alumnado ha cursado satisfactoriamente el 50% de la modalidades de docencia L.

El treball autònom realitzat per l'alumnat de manera asíncrona substitueix les pràctiques de laboratori i la realització i registre del qüestionari substitueix la presencialitat en les activitats P i L.

Fins a la data de la suspensió de la docència presencial l'alumnat ha cursat satisfactòriament el 50% de la modalitats de docència L.

4. Avaluació

4. Evaluación

1. La evaluación de los contenidos teóricos de la asignatura se evaluará mediante una prueba objetiva tipo test de respuesta múltiple, facilitada al alumnado a través del aula virtual con un tiempo limitado para poder ser contestado, esta parte tendrá un valor del 50% del total de la evaluación de la asignatura. Es importante anotar que para superar la asignatura el alumnado deberá obtener una nota igual o superior a 5 en la parte teórica, por lo que respecta a la parte práctica el alumnado deberá completar y entregar a través del aula virtual tanto las tareas propuestas de los seminarios P, así como la memoria de prácticas correspondientes a las practicas L .

1. L'avaluació dels continguts teòrics de l'assignatura s'avaluarà mitjançant una prova objectiva tipus test de resposta múltiple, facilitada a l'alumnat a través de l'aula virtual amb un temps limitat per a poder ser contestat, aquesta part tindrà un valor del 50% del total de l'avaluació de l'assignatura. És important anotar que per a superar l'assignatura l'alumnat haurà d'obtindre una nota igual o superior a 5 en la part teòrica, pel que respecta a la part pràctica l'alumnat haurà de completar i entregar a través de l'aula virtual les tasques proposades dels seminaris P, així com la memòria de pràctiques corresponents a les practiques L .

2. Adición de actividades de evaluación continua 2. Addició d'activitats d'avaluació continua



En este sentido se tendrá en cuenta que el % correspondiente a las actividades de evaluación continua en cuanto a las prácticas un 50% en total de la evaluación de la asignatura , teniendo en cuenta las prácticas L, P se corresponden con un 40% y memoria con un 10%, desarrollándose todas estas actividades mediante el aula virtual con la realización de cuestionarios, determinando de esta manera la evaluación continua

En aquest sentit es tindrà en compte que el % corresponent a les activitats d'avaluació contínua quant a les pràctiques un 50% en total de l'avaluació de l'assignatura , tenint en compte les pràctiquesL, P es corresponen amb un 40% i memòria amb un 10%, desenvolupant-se totes aquestes activitats mitjançant l'aula virtual amb la realització de qüestionaris, determinant d'aquesta manera l'avaluació contínua.

Se establece que para segunda convocatoria de la asignatura se guardarán las notas de las partes superadas o en su caso entregadas, en el caso de no realizar las tareas de la parte práctica de la asignatura en primera convocatoria (docencia P y L adaptada) el alumnado deberá realizar las tareas pautadas y entregar la memoria en segunda convocatoria.

S'estableix que per a segona convocatòria de l'assignatura es guardaran les notes de les parts superades o en el seu cas entregades, en el cas de no fer les tasques de la part pràctica de l'assignatura en primera convocatòria (docència P i L adaptada) l'alumnat haurà de fer les tasques pautades i entregar la memòria en segona convocatòria.

5. Bibliografía

5. *Bibliografía*

1. La bibliografía recomendada es manté perquè és accessible
1. La bibliografía recomendada se mantiene pues es accesible