



## Information about the subject

**Degree:** Bachelor of Science Degree in Podiatry

**Faculty:** Faculty of Medicine and Health Sciences

**Code:** 470207 **Name:** Chiropody I

**Credits:** 6,00 **ECTS Year:** 2 **Semester:** 1

**Module:** CHIROPODOLOGY AND PODIATRIC SURGERY

**Subject Matter:** Chiropodology **Type:** Compulsory

**Field of knowledge:** Health Sciences

**Department:** Pathology

**Type of learning:** Classroom-based learning

**Languages in which it is taught:** Spanish

**Lecturer/-s:**

472A [Alicia Gavillero Martin](#) (**Responsible Lecturer**)

[alicia.gavillero@ucv.es](mailto:alicia.gavillero@ucv.es)

[Benjamin Cuenca Valero](#)

[benjamin.cuenca@ucv.es](mailto:benjamin.cuenca@ucv.es)



## Module organization

### CHIROPODOLOGY AND PODIATRIC SURGERY

Subject Matter	ECTS	Subject	ECTS	Year/semester
Chiropodology	12,00	Chiropody I	6,00	2/1
		Chiropody II	6,00	2/2
Surgery	12,00	Podiatric Surgery I	6,00	3/1
		Podiatric Surgery II	6,00	3/2
Anesthesia and Resuscitation	6,00	Anaesthesia and Resuscitation	6,00	3/1

## Recommended knowledge

It does not require.



## Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Knows the area of action of chiropodology.
- R2 Knows how a chiropodology office works, work ergonomics and the use of the necessary instruments.
- R3 Properly completes the chiropractic medical history.
- R4 Knows the traumatic and infectious lesions.
- R5 Knows the concept of keratopathy, its classification, etiology and treatment
- R6 Knows the concepts of hygiene, asepsis, sterilization, and basic principles of dressing.
- R7 Demonstrates basic knowledge for wound healing in podiatry.
- R8 Demonstrates knowledge about delamination and/or enucleation techniques for keratopathies.
- R9 Knows techniques of hygiene, asepsis, sterilization, and basic principles of dressing.



## Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC	Weighting			
	1	2	3	4
CB3 Students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.				X
CB5 Students develop those learning skills necessary to undertake further studies with a high degree of autonomy.			X	

GENERAL	Weighting			
	1	2	3	4
CG2 Students know the structure and function of the human body, especially of the lower limb, semiology, mechanisms, causes and general manifestations of the disease and diagnostic methods of medical and surgical pathological processes, interrelating general pathology with foot pathology.				X
CG3 Students develop the capacity, ability and skill necessary to diagnose, prescribe, indicate, perform and/or elaborate and evaluate any type of podiatric, orthopedic, chiropractic, podiatric surgery, physical, pharmacological, preventive and/or educational treatment, based on the clinical history.				X
CG6 Students acquire the ability to perform patient-centred clinical management, health economics and efficient use of health resources, as well as effective management of clinical documentation, with particular attention to confidentiality.		X		
CG9 Students critically assess the terminology, clinical trials and methodology used in podology-related research.			X	

SPECIFIC	Weighting			
	1	2	3	4



CE50	Students know, diagnose and treat dermatopathies and keratopathies, the treatment of helomas and their causes. Oncology, pathology and conservative treatment of the nail system.					X
CE51	Students know and apply the techniques of exploration, diagnosis and treatment of wounds, ulcers and infectious processes that affect the foot. Students study, diagnose and treat the diabetic foot mechanisms of repair and healing.		X			
CE52	Students know and use the techniques and treatments of chiropodology and drug administration.					X
CE53	Students know and use instruments in surgery and chiropodology, sterilization methods and culture sampling.					X
CE54	Students know, diagnose and treat the peripheral vascular and neurological processes that affect the foot and are susceptible to chiropodological treatment.	X				
CE55	Students know and apply complementary tests in chiropodology. Students study and evaluate the patient for chiropodological treatments. Students carry out diagnostic protocols and cataloguing of surgical risk.			X		
CE61	Students know and use the techniques of exploration, diagnosis and treatment of the tumors in the foot. Students know how to treat the complications and side effects derived from the application of podiatry and chiropractic surgery techniques.	X				

TRANSVERSAL		Weighting			
		1	2	3	4
CT1	Analytical capabilities				X
CT7	Problem solving				X
CT8	Decision making				X
CT10	Interdisciplinary teamwork		X		
CT14	Critical Reasoning				X
CT15	Ethical commitment				X



CT16 Autonomous learning

x

CT17 Adaptation to new situations

x

CT18 Creativity

x

CT22 Motivation for quality

x



## Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R6, R7, R8, R9	80,00%	Tests
R1, R2, R3, R6, R7, R8	5,00%	Practice (exercises, case studies, problems)
R1, R2, R3, R6, R7, R8	15,00%	Practice exam- technical proficiency testing

### Observations

The **Test exam** consist in a 50 questions of multiple choice (four options, only one will be correct). Each incorrect answer will diminish 0.33. This test consist of 80% over the total, which means 8 out of 10. It will be necessary to pass this part to be able to do the practical exam (it is considered that when the student gets 4 out of 8 points). It will take the students 90 minutes to answer the questions as maximum.

The **Practical exam** will consist of an oral exam in which the practical skills acquired will be demonstrated. It will consist of three questions, one from each practice. NOTE: There will be three practical sessions. There will be no time limit to take this exam.

The **Practices (exercises, cases or problems)** will consist of:

- Resolution of clinical cases. The student will solve 2 clinical cases. The development of the cases and the delivery dates of the tasks will be specified in the UCVnet (teletraining platform). The score will be 5% (2,5% each case).

Participation in class, understood as attendance to the theoretical and practical classes, is not mandatory to be able to take the multiple choice test or the practical exam, nor does it score on the final grade.

#### MINIMUM REQUIREMENTS TO PASS THE SUBJECT:

To pass the subject, the multiple choice test and the practical exam must be passed. In case of passing the multiple choice test and the practical exam not in the first call, the mark of the multiple choice test will be saved for the second call. In case of not passing the multiple choice test in the first call, the practical exam will not be carried out nor will the subject be passed. In this case, the multiple choice test will have to be repeated on the second call and take the practical exam only if it is approved.



## MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

## Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Theoretical classes (TC). Training activity preferably oriented to the acquisition of knowledge skills. It is characterised by the fact that students are spoken to. Also called master class or expository class, it refers to the oral exposition made by the teacher, (with the support of a blackboard, computer and cannon for the exposition of texts, graphics, etc.).
- M2 Seminars (S). Training activity preferably oriented to obtain knowledge application and research competences. Knowledge is built through interaction and activity. Consisting of supervised monographic sessions with shared participation (Teachers, students, experts). The size of the group is variable, from a large group to small groups, no less than 6 students for interaction. The evaluation will be made by means of follow-up records by the teacher. Participation and development of problem-solving skills should be taken into account.
- M3 Problems practice (CPP). Training activity oriented to group work for problem solving under the supervision of a teacher. The size of the group is variable, in a range of 10-20 students, to avoid confusion with a master class.
- M6 Laboratory Practice (CPL). Training activity of work in groups that is developed in the Laboratory. It includes the sessions where students actively and autonomously develop, supervised by the teacher, laboratory experiments. The size of the group is variable, in a range of 10-20 students.





- M7** Tutorials (T). Set of activities carried out by the teacher with personalised attention to the student or in small groups with the aim of reviewing and discussing the materials and topics presented in the classes, seminars, readings, completion of assignments, etc. The aim is to ensure that education is truly a comprehensive training of the student and is not reduced to a transfer of information. It is, therefore, a personalized relationship of help in which the teacher-tutor attends, facilitates and guides one or more students in the formative process.
- M8** Evaluation (Ev). It is the set of processes that try to evaluate the learning results obtained by the students and expressed in terms of acquired knowledge, capacities, developed skills or abilities and manifested attitudes. It covers a wide range of activities that can be developed for students to demonstrate their training (e.g. written, oral and practical tests, projects or assignments,). It also includes Official Calls.
- M10** Estudio del alumno: Preparación individual de lecturas, ensayos, resolución de problemas, seminarios

## IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theoretical lessons M1	R1, R2, R3, R4, R5, R6, R7, R8, R9	50,00	2,00
Practice lessons M6	R1, R2, R3, R4, R5, R6, R7, R8, R9	7,00	0,28
Evaluation M8	R1, R2, R3, R4, R5, R6, R7, R8, R9	3,00	0,12
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Autonomous work M10		90,00	3,60
<b>TOTAL</b>		<b>90,00</b>	<b>3,60</b>



## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
Introduction	Introduction Skin anatomy Elemental lesions Diagnostic methods in podiatric dermatology Chiropodology clinical history Sterilization and Chiropodology Instruments
Inflammation	Inflammation
Infectious lesions	General concepts More frequent bacterial infections Complications of bacterial infections
Cold injuries	Cold injuries
Sweat and associated disorders	Sweat and associated disorders
Keratopathies	Keratopathies overview Helomas Claw toes Downs. Bandages
Head wounds	Burns



## Temporary organization of learning:

Block of content	Number of sessions	Hours
Introduction	9,00	18,00
Inflammation	1,00	2,00
Infectious lesions	6,00	12,00
Cold injuries	2,00	4,00
Sweat and associated disorders	1,00	2,00
Keratopathies	10,00	20,00
Head wounds	1,00	2,00

## References

### ·BASIC REFERENCES

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- 2.Baran, R. Onicología: biología y alteraciones de la unidad ungueal. Barcelona: Aula Médica; 2006.
- 3.Richard Scher, C. Ralph Daniel "Nails, diagnosis, therapy, surgery" ed. Saunders 2005
- 4.Martinez Nova, A. "Atlas de cirugía ungueal" . Madrid: Médica Panamericana, 2014.
- 5.DeBerker D, Bristow I, Baran R. Nails: appearance and therapy. London: Martin Dunitz; 2002.
- 6.Zalacain A, Ogalla JM, García\_Patos v. Atlas y sinopsis de enfermedades cutáneas del pie. Barcelona: Edika Med; 2008.
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- 9.Peña Alonso. Atlas de Dermatología de Pie. Madrid: Editorial Médica Panamericana 2007.
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- 10.García Carmona F.J. Dermatología Podológica: Guía práctica Avanzada: Editorial Isdin.2009.