

**COURSE DATA****DATA SUBJECT**

Code: 34348
Name: Chiropodiatry I
Cycle: Undergraduate Studies
ECTS Credits: 6
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1208 - Degree in Podiatry	Facultat d'Infermeria i Podologia	2	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1208 - Degree in Podiatry	Chiropodiatry	COMPULSORY

COORDINATION

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SUMMARY

Define the subject of teaching students **Quiropodología I (COD 34348)** and its concept and its evolution. Understand the concept of the profession.
Teach the student the instruments and apparatus necessary Quiropodología.
Instruct students in technical nomenclature used in the health sciences and supplement the medical history concerning the Quiropodología.
Document the student on the infectious and traumatic injuries in podiatry.
Teach the student the general concept of the keratopathy.
Finally introduce students to the knowledge and analysis of different causes and keratopathies and its capacity for diagnostic evaluation and implementation of preventive and curative treatments by etiology.

PREVIOUS KNOWLEDGE



RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

COMPETENCES / LEARNING OUTCOMES

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Know, diagnose and treat dermatopathies and keratopathies, the treatment of helomas and their causes. Onychology, pathology and conservative treatment of the nail apparatus.

Know, diagnose and treat the peripheral vascular and neurological processes that affect the foot and are susceptible to chiropodological treatment.

Know and apply complementary tests in chiropodology. Study and assessment of the patient who is a candidate for chiropodological treatment. Diagnostic protocols and cataloguing of surgical risk.

Know and apply the techniques for the exploration, diagnosis and treatment of wounds, ulcers and infectious processes that affect the foot. Study, diagnosis and treatment of the diabetic foot. Repair and healing mechanisms.

Know and use the chiropodological and drug administration techniques and treatments.

Know and use the instruments used in surgery and chiropodology, the methods of sterilisation and the taking of samples for cultures.

DESCRIPTION OF CONTENTS

1. PRINCIPLES OF CHIROPODOLOGY (TOPICS 1-2)

TOPIC 1. Clinical history in chiropodology

TOPIC 2. Asepsis and antisepsis in chiropodology

2. INSTRUMENTS IN CHIROPODOLOGY (TOPICS 3-4-5-6-7-8-9)

TOPIC 3. Types of instruments in chiropodology

TOPIC 4. Maintenance of instruments in chiropodology



TOPIC 5. Techniques for using chiropodology instruments

TOPIC 6. Equipment in the chiropody clinic

TOPIC 7. Techniques for using the equipment

TOPIC 8. Sterilization and disinfection of materials

TOPIC 9. Chiropodological pharmacology

3. GENERAL CONCEPT OF KERATOPATHIES (TOPICS 10-11-12-13)

TOPIC 10. Anatomical and physiological review of the skin and its appendages.

Basic skin lesions.

TOPIC 11. Keratinization process. Concept of keratopathies. Etiology.

Classification and definition of keratopathies: congenital and acquired

TOPIC 12. Evaluation of keratopathies and their complications.

Most frequent locations of keratopathies

TOPIC 13. Topographical classification of keratopathies according to the biomechanical and structural etiology of the foot

4. TREATMENTS FOR KERATOPATHIES, HYPERKERATOSES, CORNS AND CALLUSES (TOPICS 14-23)

TOPIC 14. Keratinization process. Concept of keratopathy. Etiology.

Classification and definition of keratopathies: congenital and acquired

TOPIC 15. Classification of keratopathies according to biomechanical and structural etiology of the foot



TOPIC 16. Hyperkeratosis in the first metatarsophalangeal segment: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 17. Hyperkeratosis in central metatarsophalangeal segments: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 18. Hyperkeratosis in the fifth metatarsophalangeal segment: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 19. Hyperkeratosis affecting all metatarsal heads: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 20. Hyperkeratosis on the heel: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 21. Plantar corns, dorsal toe corns, and interdigital corns: Definition, characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 22. Special corns: vascular, neurovascular, inclusion, and milia corns: Characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis

TOPIC 23. Corns affecting the nail plate: periungual and subungual: Definition, characteristics, etiology, clinical features, descaling techniques, temporary protective and/or offloading treatment, prophylaxis



5. NAIL DISORDERS (TOPICS 24-28)

TOPIC 24. Embryology and anatomy of the nail

TOPIC 25. Nail alterations

TOPIC 26. Nail disorders associated with skin diseases

TOPIC 27. Nail disorders associated with systemic diseases

TOPIC 28. Congenital or hereditary nail disorders

6. SUPERFICIAL BACTERIAL INFECTIONS (TOPICS 29-30)

TOPIC 29. Erythrasma

TOPIC 30. Pitted keratolysis

7. SWEATING DISORDERS (TOPICS 31-32)

TOPIC 31. Plantar hyperhidrosis and its clinical associations. Clinical presentation. Various treatment alternatives

TOPIC 32. Xerosis. Clinical presentation. Various treatment alternatives

8. OTHER DERMATOPATHIES (TOPICS 33&36)

TOPIC 33. Palmoplantar keratodermas

TOPIC 34. Dyshidrotic eczema or dyshidrosis

TOPIC 35. Atopic dermatitis



TOPIC 36. Psoriasis and its impact on the foot

9. VIRAL INFECTIONS (TOPICS 37;38)

TOPIC 37. Definition and etiology of warts

TOPIC 38. Various treatment options

At the end of Topic 38, a role-playing activity will be conducted, with a maximum of two students per group. Students will prepare the activity in advance and then perform it in front of the entire class.

After the activity, students must submit the completed clinical history.

10. Practical Sessions

Practice I. Assembly and disassembly of the scalpel

10. Practical Sessions L

Practice II. Handling of the scalpel and debridement using different blades

Practice III. Enucleation technique for different types of corns

Practice IV. In situ enucleation technique using modeling clay

Practice V. Creation of offloading and protective devices for various podiatric pathologies



Practice VI. Use of the micromotor

Practice VII. Treatment of mild onychocryptosis

Practice VIII. Treatment protocol for different types of plantar warts

Practice IX. Complete chiropody procedure

Practice X. Complete chiropody procedure

11. Practical Sessions P

Drug compendium (Vademécum): Use of the drug compendium in both online and book formats (students must bring their own computer with the Vademécum application installed)

Official prescription form from the College of Podiatrists of the Valencian Community

Prescribing, writing reports, requests, and referrals to other healthcare professionals



12. Lesions in the Lower Limbs Caused by COVID-19 (Topics 39;40)

Topic 39. Definition of COVID-19

Topic 40. Lesions caused in the lower limbs

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	2,00
Theory	62,00
Laboratory	20,00
Classroom practices	6,00
Total hours	90,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	60,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	0,00
Total hours	60,00

TEACHING METHODOLOGY

Theoretical classes will be delivered in a lecture-based format and will be combined with interactive classes and

Theoretical classes will be delivered in a lecture-based format and will be combined with interactive classes and seminars. Each session will last 2 hours, and time will be allocated for discussion and reinforcement of topics as needed. Audiovisual media and presentation software will be used to aid explanation and enhance comprehension.

Based on the content covered in the theoretical classes, students will participate in a role-playing activity at the end of the course. Students will choose a topic provided by the instructor. The role-play will be carried



out in the classroom in pairs: one student will play the role of the patient and the other the podiatrist. The performance will last approximately 15 minutes, after which the instructor will ask at least two questions related to the presented topic. Students must also submit a handwritten report on the chosen topic.

Use of Supplementary Audiovisual Material in Practical Sessions:

As part of the teaching innovation strategy in this course, a series of introductory videos available on YouTube are used. These videos have been specifically created to provide students with an initial overview of the contents and procedures to be addressed in the practical sessions, thus promoting better prior preparation. A total of 10 short videos are used, organized by topic and directly linked to each practical session in the course. Viewing these materials is part of the recommended preparation before the in-person sessions, serving as a complementary educational resource that fosters autonomous and active learning.

To assess the perceived usefulness of these resources, students must complete an evaluation activity in the virtual classroom, using a Likert-type scale. This survey will gather feedback on the clarity, relevance, and effectiveness of the videos and will be used as a tool for continuous improvement of the materials used in practical teaching.

Laboratory practical sessions (L) will last 2 hours and will be conducted in groups of approximately 15 students, with active participation required. Students must demonstrate skill and proficiency in the practical tasks. Each student will submit a practical report, where they must outline the most important concepts related to each practical unit. The report must be submitted on time and via the Virtual Classroom, once the instructor activates the corresponding assignment. This report must include the attendance sheet, signed by the instructor at the end of each session.

Classroom practicals (P) are mandatory. They will also last 2 hours, be conducted in groups of approximately 30 students, and will take place in both the classroom and the Chiropody Workshop.

EVALUATION

A. Final Exam in June ¿ Theoretical Exam Structure

The final exam in June consists of three parts:



Visual Section

This section includes 2 clinical case-style questions, each worth 1.5 points, totaling 3 points.

Multiple Choice Section (MCQ)

This section includes 25 questions, each with 4 possible answers.

Incorrect answers are penalized: two incorrect answers deduct the equivalent of one correct answer.

This section is worth 3 points in total.

Short Answer Section

This consists of 2 open-ended questions, each worth 1 point, totaling 2 points.

To pass the theoretical exam, students must achieve a minimum of 4.5 out of 8 points.

To calculate the final average, students must pass both the theoretical and practical components.

This exam will be held during the period established by the University (OCA).

B. Continuous Assessment

Continuous assessment includes all laboratory practices, specifically:

The practice report (memoria de prácticas),



The role-playing Word document,

The role-playing oral presentation.

Both the Word document of the role-playing and the practice report (including the signature sheet at the end) must be uploaded to the Virtual Classroom by a specified deadline.

Failure to submit these on time will result in the work not being assessed and not counted towards the final course grade.

Therefore, it is mandatory to submit all assignments in the Virtual Classroom to pass the course.

C. Practical Final Exam (June)

The practical exam consists of performing any activity covered during the L (Laboratory) and P (Classroom) practices.

It will have 50 questions, from which the student must randomly select 3 to answer.

The practical exam has a maximum score of 1 point.

The practice report has a maximum score of 0.5 points.

Spelling mistakes in the report will deduct points:

Every 5 spelling errors deduct 1 point.



Plagiarism control (URKUND) will be applied; works with more than 5% similarity must be redone.

The role-playing Word document and oral presentation have a maximum score of 0.5 points.

The same plagiarism rules apply to the role-playing work as for the report.

The total practical part is worth 2 points.

Attendance and Final Grade

Attendance to both P and L practices is mandatory.

Missing practices will result in failing the course, except for one justified absence.

The final grade consists of:

Theoretical part: 8 points,

Practical part: 2 points (including practical exam 1 point, practice report 0.5 points, role-playing 0.5 points).



To pass, both theory and practice must be passed independently.

To qualify for Honors (Matrícula de Honor), the student must achieve a score of 9 or above.

If more than one student achieves 9 and there are not enough honors available, a tiebreaker assignment will be requested by the faculty.

Second Call Evaluation

The evaluation criteria for the second call (re-exam) are the same as for the first call, both for the theoretical and practical parts.

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- WEBS DE INTERÉS: 1. Proyecto Humano visible. <http://www.geocities.com/CapeCarnaval/Lab/4685/anatpat.html> (en inglés). 2. Archivos de casos de podología. <http://www.mailbase.ac.uk/lists/podiatry/archive.html> (en inglés). 3. Academia Americana de Podología. <http://www.aapsm.org/default.htm> (en inglés).