



Information about the subject

Degree: Bachelor of Science Degree in Podiatry

Faculty: Faculty of Medicine and Health Sciences

Code: 470205 **Name:** General Pathology

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

Module: PODIATRIC PATHOLOGY, ORTHOPEDIC, PHYSICAL AND PHARMACOLOGICAL
TREATMENTS

Subject Matter: Pathology **Type:** Compulsory

Field of knowledge: Health Sciences

Department: Medical Specialities

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

PODIATRIC PATHOLOGY, ORTHOPEDIC, PHYSICAL AND PHARMACOLOGICAL TREATMENTS

Subject Matter	ECTS	Subject	ECTS	Year/semester
Orthopodology	12,00	Orthopodiatry I	6,00	2/1
		Orthopodiatry II	6,00	2/2
Pathology	18,00	Dermatology	6,00	2/2
		General Pathology	6,00	2/1
		Podiatric Pathology	6,00	2/1
Therapeutics	12,00	Pharmacological Therapeutics	6,00	3/1
		Physical Podiatry	6,00	3/1

Recommended knowledge

A review of the Anatomy and Physiology subjects is recommended, as well as the recommendation to study classes at the pace that are taught to solve doubts. It would facilitate the understanding of the subject.



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 The student is able to make a proper medical history.
- R2 Distinguishes the signs of normal organ function.
- R3 Recognizes and understands the main mechanisms that cause diseases.
- R4 The student identifies and interprets the main clinical manifestations of the disease.
- R5 Knows the different parts of the physical examination of the patients.
- R6 The student is able to make a diagnostic judgement from the data of the anamnesis and examination.
- R7 The student is capable of optimizing the use of diagnostic and therapeutic resources.
- R8 Searches for information in bibliographic sources and knows how to analyze them.
- R9 Shows abilities to relate to patients.



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
CB2	Students know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.				X
CB4	Students convey information, ideas, problems and solutions to both specialized and non-specialized audiences.				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	

SPECIFIC		Weighting			
		1	2	3	4
CE27	Students know the anatomical and functional concept of the disease and the classification of diseases. To describe the pathology of the different organs, apparatus and systems. Medical semiology. Dermatology. Rheumatology. Traumatology. Neurology. Endocrinology. Pathological vascular processes. Systemic pathologies with repercussions in the foot.				X
CE28	Students know the pathological anatomy. Cellular pathology. Tissue repair. Cellular growth alterations. Nomenclature and classification of neoplasms.		X		



CE32	Students acquire the concept of health and disease. They know the determinants of health in the population and develop the factors that influence the health-disease phenomenon. Students design prevention protocols and their practical application. Public health. Concept, method and use of epidemiology.	X		
CE45	Students know and identify the pathological processes of the foot and systemic processes with podological repercussions, foot at risk and the clinical pathological parameters of structural and functional affections of the locomotive system in decubitus, static and dynamic standing. Identify dermatological lesions and their treatment. To know and apply the specific pharmacology for podological use.	X		
CE46	Students know and develop the exploration techniques, to issue a diagnosis and prognosis, and to design the orthopodologic treatment plan of the lower limb pathology. Bone and ligament muscle trauma. Pathology of the forefoot and hindfoot. Congenital deformities. Neurological injuries. Amputations. Asymmetries		X	

TRANSVERSAL

Weighting

	1	2	3	4
CT1 Analytical capabilities				X
CT2 Organizational and planning skills			X	
CT3 Oral and written communication in native language			X	
CT6 Information management capacity				X
CT7 Problem solving				X
CT8 Decision making				X
CT9 Teamwork				X
CT10 Interdisciplinary teamwork			X	
CT14 Critical Reasoning				X
CT15 Ethical commitment				X



Course guide

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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
R2, R3, R4, R5, R6, R7	70,00%	Tests
R1, R2, R3, R4, R5, R6, R7, R8	15,00%	Oral presentation
R1, R2, R3, R4, R5, R6, R7, R9	10,00%	Practice (exercises, case studies, problems)
R1, R2, R3, R4, R5, R6, R7, R9	5,00%	Class participation

Observations

Final test: it will consist of 50 multiple choice test questions and 4 alternative answers each. They will discount the wrong test-type answers at the rate of 4 wrong counteract 1 valid. The grade obtained will correspond to 50% of the final grade.

Evaluation of practical cases: the same day of the theoretical exam the student will respond to the formulation of 2 practical cases. The student must reason and clinically justify their response in an orderly and clear manner according to the skills learned in class. This grade will represent 20% of the final grade.

In order to pass the subject, it will be required to obtain at least 50% of the maximum score in the test type test + practical cases.

Written work and Exhibition: the students, in groups and/or individually, will carry out a work related to the syllabus of the subject, being able to choose between exposing a part of the syllabus to be agreed according to the student's preferences and in accordance with the teachers, carrying out a bibliographic review on a matter of interest or resolve a clinical case. The subjects assigned to the students will be included in the final exam. The weight of this part will be 15% for the written work and the remaining 15% at the time of the presentation. During the presentation, students will be asked questions related to the topic of the exhibition.

The total of the written work + oral presentation will account for 30% of the final grade.

In order to add 30% of the grade, the task must have been uploaded to the platform in a timely manner. The grade will be added to the final grade only if you have passed the test + case studies exam.

Participation: Attendance at classes is not compulsory, but the attitude of the students during them can have an impact of 5% of the final score as long as the test-type exam has been passed.



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.
- M4 Classroom practice (CPA). Training activity of work in groups that is developed in the classroom. It includes work with documents (e.g.: work with articles or documents, clinical case studies, diagnostic analyses, etc). The size of the group is variable, in a range of 10-20 students.



- 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	42,00	1,68
Seminar M2	R1, R2, R3, R4, R5, R6, R7, R8, R9	10,00	0,40
Practice lessons M3, M4	R1, R2, R3, R4, R5, R6, R7, R8, R9	6,00	0,24
Evaluation M8	R1, R2, R3, R4, R5, R6, R7, R8, R9	2,00	0,08
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Autonomous work M10	R2, R3, R4, R5, R6, R7, R8, R9	60,00	2,40
Group work M10	R2, R3, R4, R5, R6, R7, R8	30,00	1,20
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
I DIDCATIC UNIT	INTRODUCTION TO CLINICAL PRACTICE
II DIDACTIC UNIT	GENERAL PATHOLOGY BY APPARATUS AND SYSTEMS
III DIDACTIC UNIT	GENERAL PATHOLOGY OF THE LOCOMOTOR SYSTEM
IV DIDCATIC UNIT	SEMINARS
V DIDACTIC UNIT	GROUP WORKS EXHIBITION
VI DIDACTIC UNIT	CLINICAL CASES



Temporary organization of learning:

Block of content	Number of sessions	Hours
I DIDCATIC UNIT	1,00	2,00
II DIDACTIC UNIT	16,00	32,00
III DIDACTIC UNIT	5,00	10,00
IV DIDCATIC UNIT	4,00	8,00
V DIDACTIC UNIT	2,00	4,00
VI DIDACTIC UNIT	2,00	4,00

References

Jose´ Luis Pe´rez Arellano. Sisinio de Castro. Manual de Patologí'a General. 7a edició'n. Barcelona, Elsevier Masson, 2013. ISBN 978-84-4582-5112.

Garcí'a-Conde FJ. Conde PG Semiologí'a y fisiopatologí'a. 1a edició'n. Madrid, Marba´n 2015. ISBN 978-84-7101-4016.

Laso FJ. Introduccio´n a la medicina cli´nica. Fisiopatologí'a y semiologí'a. Barcelona. Elsevier Masson 2015. ISBN 978-84-4582-6065.

Harrison. Principios de Medicina Interna. 18a edició'n. McGraw Hill 2012. ISBN 978-60-7150-7273.

Rozman C. Farreras/Rozman: Medicina Interna. 17a edició'n. Barcelona, Elsevier 2012. ISBN 978-84-8086-896-9



Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

☒ Microsoft Teams

☐ Kaltura



Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

☒ Microsoft Teams

☐ Kaltura

Explanation about the practical sessions:



2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

☒ The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

☐ The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System:

In case of extreme need, the work presentations will be carried out electronically.