

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

<b>Code</b>	34327
<b>Name</b>	Physiopathology
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	6.0
<b>Academic year</b>	2022 - 2023

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1208 - Degree in Podiatry	Faculty of Nursing and Chiropody	1	Second term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1208 - Degree in Podiatry	5 - General pathology	Basic Training

**Coordination**

<b>Name</b>	<b>Department</b>
MOLINA VILA, PABLO	260 - Medicine
ORTIZ MASIA, MARIA DOLORES	260 - Medicine

**SUMMARY****English version is not available**

La asignatura Fisiopatología del Grado de Podología se cursa en el segundo cuatrimestre del primer curso de dicho grado. La asignatura consiste en el estudio de los principales mecanismos por los cuales se producen las enfermedades y en el estudio de los síndromes más importantes de la patología humana.

Se trata de una asignatura similar a Patología General, del grado de Medicina, pero abordada con menor profundidad que en este último grado. Es impartida por profesores del Departamento de Medicina.(curs 22.23)

Los objetivos son:



1. Ofrecer una formació en los aspectos básicos de la salud y la enfermedad y su estimación por los profesionales sanitarios.
2. Conocer las causas y los mecanismos por los que se producen las enfermedades.
3. Conocer la fisiopatología de los diferentes aparatos y sistemas, así como los principales síndromes clínicos que resultan de su alteración.

## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

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

### Other requirements

No se especifican necesidades de conocimientos previos.

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

### 1208 - Degree in Podiatry

- Know the anatomical and functional concept of the disease and the classification of diseases. Describe the pathology of the different organs, apparatuses and systems. Medical semiology. Dermatology. Rheumatology. Traumatology. Neurology. Endocrinology. Pathological vascular processes. Systemic pathologies that affect the feet.
- Know the pathological anatomy. Cellular pathology. Tissue repair. Alterations in cell growth. Nomenclature and classification of neoplasms.

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

English version is not available

## DESCRIPTION OF CONTENTS

### 1. GENERAL

Topic 1 | Health and disease. Concept of General Pathology and its constitutive elements.  
Topic 2| Medical history. Clinical exploration. Complementary explorations...



2.

### 3. Physiopathology, syndromes and semiology

- Topic 14 | Physiopathology Digestive System
- Topic 15| Physiopathology Respiratory System
- Topic 16 | Physiopathology Cardiovascular Apparatus
- Topic 17 | Physiopathology Nephro-urological Apparatus
- Topic 18 | Physiopathology Osteo-articular Apparatus
- Topic 19 | Physiopathology Hematopoietic System

4.

## WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	48,00	100
Classroom practices	6,00	100
Laboratory practices	4,00	100
Tutorials	2,00	100
Study and independent work	90,00	0
<b>TOTAL</b>	<b>150,00</b>	

## TEACHING METHODOLOGY

The course consists of a theoretical part and a practical part.

A. During the theoretical sessions a teaching-learning methodology will be used based on the participative master class, in which the classes will follow the following scheme:

1. Autonomous work of the students by means of the comprehensive reading of the topic (the students will know the topics previously in order to be able to clarify doubts, concepts and to stimulate their participation).
2. Use of Audiovisual Material through which patients with different pathologies will be analyzed, according to the subject taught.
3. Preparation by the students of a group work on topics related to physiopathology. The topics will be chosen from a list proposed by the teacher, or suggested by the students if they meet the objectives of the subject. The work will have a weight of 20% of the overall grade of the subject and presentation is mandatory.



4. At the end of each Topic, a self-evaluation and feedback test will be carried out by an objective multiple answer test. The exercise will be carried out with the help of the Moodle, Questionnaire application. The grades obtained in these evaluations will suppose extra credits to the theoretical grade (maximum 10% of the final grade).

B. During the practice sessions the aim is to intersperse the methodology based on "cases and simulations". Attendance to the practical sessions is obligatory.

1. There will be supervised groups (U) where a review of blocks I, II and III will be carried out by means of multiple choice questions and case studies. Attendance to the session is obligatory.

2. Seminar-type practices (P) will be carried out. Carrying out activities aimed at studying and resolving cases related to the subject matter taught. Attendance is compulsory:

2.1 Diabetic foot (P). The aim is to analyse the etiological factors involved in the development of diabetic foot, such as diagnosing the presence of diabetic foot and establishing the severity according to existing lesions, and establishing appropriate preventive measures to prevent their development.

2.2 Osteoarticular Pathology (P). The objective is to analyse the risk factors involved in the development of osteoporosis, gout and related pathologies, such as diagnosing the presence of these pathologies, and establishing appropriate preventive measures to prevent their development.

2.3 Cardiovascular risk (P). The aim is to analyse the different cardiovascular risk factors and to learn how to calculate a patient's cardiovascular risk. Special interest will be given to peripheral arterial disease.

3. There will be two laboratory practice sessions (L) whose attendance is compulsory:

3.1 Anamnesis and general physical examination (L). Practical explanation of how to perform an anamnesis and a general physical examination in order to establish a diagnosis. The development of the practice will be carried out by means of slideshows and the projection of videos, as well as by means of practical examples with the active participation of the students.

3.2 Exploration of lower limbs (L). Practical explanation of how to perform a lower limb exploration. Learning of: pulse palpation, reflex exploration, tactile, thermal, painful and vibratory sensitivity exploration (tuning fork, monofilament, cold-heat evaluation, etc). The grades obtained in these practice will suppose 20 % of the final grade.

## EVALUATION

### Minimum requirements

- To obtain 50% of the maximum mark of the theoretical-practical examination.

1.- **Theoretical-practical examination (70% of the overall grade of the subject).** It will consist of a recoverable test in the second convocation.



1.1 An objective **theoretical test** by means of multiple-choice questions. This part of the test is considered passed with 50% success. The maximum grade of this section will be **70%** of the overall grade of the subject.

2- **Continuous evaluation (30% of the overall grade of the subject)**. This part is not recoverable in a second convocation.

2.1 Group work on a topic related to physiopathology (**10%** of the overall mark).

2.2 Classroom activities evaluated by means of a test at the end of the subjects (**10%** of the overall grade of the subject).

2.3 Video physical exploration of the foot (**10%** of the global mark)

## REFERENCES

### Basic

- Pérez Arellano, J. (2006). Manual de Patología General Sisinio de Castro. Barcelona: Masson. 6ª ed.
- Pastrana Delgado, Juan; Garcia de Casola Sánchez, Gonzalo . (2013). Fisiopatología y Patología General Básica para ciencias de la Salud. Elsevier España.