

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Medicine		
Field of Knowledge:	Health Science		
Faculty/School:	Health Sciences		
Course:			
Type:	Compulsory	ECTS credits:	10
Year:	3	Code:	2732
Teaching period:	Fifth-Sixth semester		
Area:	Diagnostic Methods		
Module:	Diagnostic and Therapeutic Procedures		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	300		

## SUBJECT DESCRIPTION

Pathological anatomy is a medical speciality devoted to the diagnosis of disease by studying its effects and manifestations in the structure of a human being's different organs and systems, at a molecular, cellular and tissue level, as well as the correlation between these alterations and their functional implications.

## SKILLS

### Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general

secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

## General Skills

To recognise the essential elements of the medical profession, including ethical principles, legal responsibilities and professional practice focussed on the patient. To acquire the values of professionalism:

- a. Altruism: looking for the best in patients.
- b. Responsibility: complying with the implicit agreement with the community.
- c. Excellence as a continuous search for knowledge.
- d. Obligation as a free commitment to serve.
- e. Honour and integrity: complying with personal and professional codes and undertaking not to breach them.
- f. Serving others.

To understand and recognise the causal agents and risk factors that determine health conditions and development of illness.

To understand and recognise the effects that the growth, development and aging of on the individual have on the social environment.

To have the ability to prepare an initial diagnosis and to establish a rational diagnostic strategy.

To establish the diagnosis, prognosis and treatment, applying principles based on the best possible information and clinical safety conditions.

To communicate effectively and clearly, both orally and in writing, with patients, families, the media and other professionals.

To acknowledge one's role in multiprofessional teams, taking on leadership when pertinent, be it when providing healthcare or in interventions aimed at promoting health.

To be familiar with, critically evaluate and know how to use sources of clinical and biomedical information to obtain, organise, interpret and communicate scientific and health-related information.

To be able to use information and communication technologies in clinical, therapeutic, preventive and research activities.

To keep and use the patient information records for subsequent analysis, maintaining the information confidential.

To have a critical, creative viewpoint in professional activity with constructive scepticism focussed on research.

To understand the importance and limitations of scientific thought in the study, prevention and management of illness.

To be able to formulate hypotheses and gather information and critically assess it in order to solve problems using scientific methodology.

To acquire basic training for conducting research.

To recognise one's limitations and the need to maintain and update professional skills, with particular emphasis on independent acquisition of new knowledge and techniques and a motivation to achieve quality.

To understand and recognise the structure and normal function of the human body at molecular, cellular, tissue, organ and system level in the various stages of life, in both men and women.

To understand and recognise the effects, mechanisms and manifestations of illness on the structure and function of the human body.

## Specific skills

To learn how to obtain and process a biological sample for study using different diagnostic procedures.

To be able to interpret the results of diagnostic laboratory tests.

To be familiar with the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests.

To be familiar with the characteristics of tissues in different situations involving cell injury, adaptation and death: inflammation, alterations of cell growth.

To be familiar with the anatomical pathology of various systems.

To be familiar with the biochemical, cytogenetic and molecular biology markers applied to clinical diagnostics.

## DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
165 hours	135 hours