

# Teaching guide

## IDENTIFICATION DETAILS

Degree:	Medicine		
Field of Knowledge:	Health Science		
Faculty/School:	Bio-health Science		
Course:	INTEGRATED SURGICAL MEDICAL PATHOLOGY I		
Type:	Compulsory	ECTS credits:	24
Year:	4	Code:	2740
Teaching period:	Seventh-Eighth semester		
Area:	Integrated Medical Surgical Pathology		
Module:	Human Clinical Training		
Teaching type:	Classroom-based		
Language:	Spanish		
Total number of student study hours:	600		

## SUBJECT DESCRIPTION

The Medical-Surgical Pathology I course encompasses the vast majority of nosological processes in which medical professionals are involved in daily life: Cardiology and Pneumology in the first quarter; Gastroenterology and Dermatology in the second.

## SKILLS

### Basic / general / cross 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

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 understand the foundations underpinning action, indications and efficiency in therapeutic interventions based on the scientific evidence at hand.

To obtain and develop a medical record containing all relevant information.

To perform a physical examination and conduct a mental assessment.

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

To recognise and address situations that place life in immediate risk and others requiring immediate attention.

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

To indicate the most appropriate therapeutic treatment for the most common acute and chronic conditions, as well as for those who are terminally ill.

To consider and propose the appropriate preventive measures for each clinical situation

To acquire suitable clinical experience in hospital institutions, health centres or other healthcare institutions, under supervision, as well as basic knowledge on clinical management centred around the patient, and to suitably use tests, drugs and other resources afforded by the healthcare system.

To listen carefully to, obtain and summarise relevant information about the problems of a patient and understand the content of said information.

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

To establish good interpersonal communication that makes it possible to address patients, family members, media and other professionals with efficiency and empathy.

To recognise determining factors in the population's health, such as genetics, gender and lifestyle, as well as demographic, environmental, social, economic, psychological and cultural factors.

To assume one's role in actions aimed at preventing and protecting from illnesses, injuries or accidents, as well as those aimed at maintaining and promoting health - both individually and at a community-based level.

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

To engage in professional practice with regard to other health professionals, gaining teamwork skills.

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

## Specific skills

To recognise, diagnose and provide guidance in handling the main disorders of the skin.

To recognise, diagnose and provide guidance in handling the main cardiocirculatory disorders: cardiac arrhythmias, acute coronary syndrome, heart failure, shock, valvular heart disease, ischemic syndromes and venous disorders, hypertension and other relevant cardiovascular pathologies.

To recognise, diagnose and provide guidance in handling the main disorders of the digestive system: functional impairment, bleeding, ulcers, acute abdomen, liver and pancreatic disorders, digestive cancer, diarrhoea and constipation, and other digestive ailments.

To recognise, diagnose and provide guidance in handling the main disorders of the respiratory system: respiratory failure, COPD, respiratory infections and tumours. Other relevant disorders of the respiratory system.

To recognise, diagnose and provide guidance in handling life-threatening situations.

To be able to conduct a physical examination of systems, as well as a psychopathological examination, interpreting their meaning.

To be able to perform basic and advanced life support procedures.

To recognise, diagnose and provide guidance in handling the most prevalent diseases of our time, as well as new ones emerging in our environment - de novo or owing to migration.

To be familiar with pain transmission pathways and their various therapeutic options. To understand the surgical process as a whole, from preoperative evaluation and surgery with anaesthesia care to the postoperative period in the ICU. To manage patients with organ failure in these units.

## DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
381 hours	219 hours