



IDENTIFYING DATA

Human anatomy: Medical conditions

Subject	Human anatomy: Medical conditions			
Code	P05G171V01201			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	2nd	1st
Teaching language	Galician			
Department				
Coordinator	Maceiras García, María Lourdes			
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General description				

Training and Learning Results

Code	
A2	Students are able to apply their knowledge to their work or vocation in a professional manner and possess the competences usually demonstrated through the development and defence of arguments and problem solving within their field of study.
B1	To know how to work in professional teams as a basic unit in which professionals and other personnel of health care organizations are structured in a uni or multidisciplinary and interdisciplinary way.
C3	Identify the psychological and social factors that influence the state of health or disease of individuals, families and community.
C9	Know the pathophysiology of diseases, identifying the manifestations that appear throughout the process, as well as the medical-surgical treatments, mainly in their physiotherapeutic and orthopedic aspects. To identify the changes produced as a consequence of the physiotherapy intervention. Encourage the participation of the user and family in the recovery process.
C13	Have the ability to assess from the perspective of physiotherapy, the functional status of the patient/user, considering the physical, psychological and social aspects of the same.
C18	Encourage the participation of the user and family in their recovery process.
C21	Identify the situation of the patient/user through a physiotherapy care diagnosis, planning interventions, and evaluating their effectiveness in a cooperative work environment with other professionals in health sciences.
C34	To know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.
C38	Intervene in the areas of health promotion, prevention, protection and recovery.
D1	Ability to communicate orally and in writing in Galician.
D7	Maintain an attitude of learning and improvement.
D8	Ability to understand the meaning and application of the gender perspective in different areas of knowledge and professional practice with the aim of achieving a more just and egalitarian society.

Expected results from this subject

Expected results from this subject		Training and Learning Results
New	A2	C3 C9 C21 C34 C38

New	A2		C3 C9 C13 C21 C34 C38	D1 D7
New	A2	B1	C3 C9 C13 C34 C38	D1
New	A2		C3 C9 C13 C21 C34 C38	D1 D7
New	A2	B1	C3 C9 C13 C21 C34 C38	D7 D8
New	A2	B1	C3 C13 C18 C38	D1 D7 D8

Contents

Topic

Nervous system.	Functions. Diseases of the brain and cerebral cortex. Voluntary motility affections. Sensitivity affections and sensory systems; pain. Diseases of the brain stem, spinal cord and cranial nerves. Disorders of the Peripheral Nervous System (PNS) and the Vegetative Nervous System (SNV). Disorders of motor coordination, balance and gait. Affects of the nuclei at the base of the brain; Parkinson. Affections of conscience; epileptic syndrome. Affections of the protective elements and the circulation of the Central Nervous System (CNS).
Respiratory apparatus.	Functions. Ventilation affections. Respiratory affections; dyspnoea. Respiratory insufficiency; hypoxia, cyanosis, hypercapnia. Other manifestations of pulmonary affections. Affections of the pulmonary circulation. Diseases of the lung parenchyma; defensive and metabolic functions. Pleural and mediastinal affections.
Cardiocirculatory system.	Functions. Manifestations of heart conditions. Valvulopathies. Heart rate and rhythm disorders. Affections of the myocardium and pericardium; arteriosclerosis. Affections of the coronary circulation. Blood pressure disorders. Circulatory failure: acute forms: shock and syncope; congestive heart failure. Disorders of the circulation of the extremities.
Digestive system.	Functions. Motility affections; symptoms and syndromes. Discharge affections. Absorption affections; diarrhea syndrome. Circulation affections; pain; intestinal gas. Liver disorders; jaundice and cholestasis; hepatocellular failure; portal hypertension. Affections of the peritoneum. Affections of the extrahepatic bile duct and pancreas.

Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	1	0	1
Lecturing	39	84	123
Seminars	8	16	24
Objective questions exam	1	0	1
Problem and/or exercise solving	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

Description

Introductory activities	Activities aimed at making contact and gathering information about the students, as well as presenting the subject.
Lecturing	The theoretical classes will be presentations of the contents on the matter under study. They will be participatory and the didactic consultation, debate, case study and problem solving strategies will be used. In them they will interact with the students responding to what they need and motivating that there is also interaction between the students. Following the Bologna Process, learning will be increasingly based on the student body and its active and participatory learning.
Seminars	They will consist of practices, activities and works, which will allow delving into the contents of the subject. In them they will interact with the students, encouraging their active participation, responding to what they need and motivating that there is also interaction between the students. They will be used as a complement to the theoretical classes.

Personalized assistance

Methodologies	Description
Introductory activities	Students have to register on the tele-teaching platform of the University of Vigo, fill in the virtual file by providing their data and a photo, and participate in the activities that are carried out through it, for the correct follow-up of the subject: theory, seminars, papers, exams and everything that is done in the matter.
Lecturing	Organization of the work of the students: for the development of the theoretical teaching, a group A or large group will be made. // All information about teaching and changes and recommendations will be sent through the tele-teaching platform of the University of Vigo. // Tutorials: They can be carried out in groups or individually, with a view to academic, professional and personal guidance and advice. They will be carried out during the hours officially established for the tutorials and in the office of the teaching staff of the subject. They can also be done in the virtual office of the teaching staff of the subject, by email to the email address of the teaching staff indicating in the subject line: TUTORIALS, or through the forums of the tele-teaching platform. If they are held in person at the office or at the remote Campus office, it will be necessary to arrange them in advance.
Seminars	Organization of the work of the students: for the development of the seminars there will be three groups B or medium groups. // All the information about the seminars and the changes and recommendations will be sent through the tele-teaching platform of the University of Vigo. // Tutorials: They can be carried out in groups or individually, with a view to academic, professional and personal guidance and advice. They will be carried out during the hours officially established for the tutorials and in the office of the teaching staff of the subject. They can also be done in the virtual office of the teaching staff of the subject, by email to the email address of the teaching staff indicating in the subject line: TUTORIALS, or through the forums of the tele-teaching platform. If they are held in person at the office or at the remote Campus office, it will be necessary to arrange them in advance.

Assessment

	Description	Qualification	Training and Learning Results			
Objective questions exam	Theoretical knowledge: Objective questions exam, in which each question will have four answer options, and only one of them will be valid. Each correctly answered question will count 1 point; those left blank will not deduct points; each wrong answer will subtract 0.25. The note will correspond to the scale between 0 and 10, and the pass will be in the middle of the score: 5.	80	A2	B1	C3	D1 C9 D7 C18 D8 C21 C34 C38
Problem and/or exercise solving	Seminars: Assistance and active participation of students in the development of seminars; In addition, the students will prepare, individually, an outline and summary of the topic that will be worked on in the seminar, and it will be delivered at the end of it, personally or through the tele-teaching platform of the University of Vigo. In some seminars, written questions will be asked that must be answered in them.	20	A2	B1	C3	D1 C9 D7 C18 D8 C21 C34 C38

Other comments on the Evaluation

The exam of the theoretical knowledge of the subjects of the Nervous System + Digestive System will count for 40%. The exam of the theoretical knowledge of the issues of Respiratory System + Cardiocirculatory System will count for 40%. To pass the subject, it is necessary to pass the two parts (theory and seminars) independently. If only one of the parts is approved, that approval is kept within the same academic year (until July), but not from one course to the next.

CONTINUOUS ASSESSMENT: it is the preferred option and the one offered by default. In the continuous assessment, the students will perform:

* A partial exam of theoretical knowledge once half of the theoretical content has been completed (Nervous System + Digestive System): it will count for 40% of the final grade; It will be carried out within the schedule assigned to the classes of the subject. If it is suspended, it cannot be recovered in the ordinary call and it will go with this part to the exam of the 2nd

opportunity.

* Another partial exam of theoretical knowledge in the ordinary call (Respiratory System + Cardiocirculatory System): it will count for 40% of the final grade.

* Seminars: they will be evaluated as explained in the upper section.

GLOBAL EVALUATION (if the continuous evaluation is waived): Students who do not want to follow the continuous evaluation must notify it in writing, following the procedure established in the Faculty of Physiotherapy. Waiving continuous assessment must be done in the 5th week of teaching, which means that the global assessment established in the subject will be assumed. Once the resignation to the continuous evaluation has been made, there will be no right to it; Choosing the global assessment modality means waiving the right to continue evaluating the activities of the continuous assessment modality that remain to be done and the qualification obtained up to that moment in any of the tests that have already taken place. In this case, partial exams will not be carried out. There will be a global evaluation test: a theoretical knowledge exam on the official date of the ordinary call, which will count for 80% of the final grade. To this score will be added 20% of the mark of the seminars, evaluated as explained in the upper section.

2nd CHANCE EVALUATION: It is an extraordinary evaluation, of recovery of the subject, or parts of it, failed.

The students who have done continuous evaluation and have failed any of the partial exams, should only be examined from them. It will have the same evaluation criteria as in the ordinary call in this modality.

The students who have renounced the continuous evaluation and have adhered to the global evaluation, will have the same evaluation criteria as in the ordinary call in this modality.

Sources of information

Basic Bibliography

Pérez Arellano, J.L., **Sisinio de Castro. Manual de patología general.**, Elsevier,

Goodman CC, Snyder TK., **Patología médica para fisioterapeutas.**, Mc Graw Hill,

Complementary Bibliography

Laso FJ., **Introducción a la medicina clínica. Fisiopatología y semiología.**, Elsevier,

Rozman C, Cardellach F (eds)., **Farreras & Rozman. Medicina interna.**, Elsevier,

Sociedad Española de Reumatología (SER)., **Manual SER de las enfermedades reumáticas.**, Elsevier,

Barberà JA, Peces-Barba G, Agustí AGN, Izquierdo JL, Monsó E, Montemayor T, Viejo JL, Grupo de traba, **Normativa SEPAR. Guía clínica para el diagnóstico y tratamiento de la enfermedad pulmonar obstructiva crónica.**, Arch

Bronconeumol. 2001;37(6):297-316.,

Ropper AH, Samuels MA, Klein JP, Prasad S., **Adams y Victor. Principios de neurología.**, Mc Graw Hill,

Recommendations

Subjects that are recommended to be taken simultaneously

Human anatomy: Surgical conditions/P05G171V01202

Radiology/P05G171V01208

Subjects that it is recommended to have taken before

Human anatomy: Medical-surgical conditions/P05G171V01107

Human anatomy: Human anatomy/P05G171V01101

Biochemistry-Physics: Biochemistry and biophysics/P05G171V01103

Physiology: Human physiology/P05G171V01102