



IDENTIFYING DATA

Physical therapy in clinical specialties I

Subject	Physical therapy in clinical specialties I			
Code	P05G171V01308			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Mandatory	3rd	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	González González, Yoana			
Lecturers	Monge Pereira, Esther			
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General description	<p>This subject is focused on learning the theoretical and practical knowledge that a physiotherapist who participates in the rehabilitation of people who suffer the consequences of a dysfunction of the neuromusculoskeletal system should have.</p> <p>Abordaranse os beneficios da práctica adecuada de fisioterapia naqueles pacientes con disfuncións neuromusculoesqueléticas, xa que para que ésta sea beneficiosa, debe estar axustada ás capacidades da persoa, respetando as súas limitacións e favorecendo a súa funcionalidade.</p> <p>Para iso, os estudantes adquirirán a formación e o coñecemento que lles permita valorar o estado do paciente e lles permita propor as modalidades de fisioterapia axustadas ó seu nivel funcional, tendo en conta aquelas prácticas que poidan ser contraproducentes.</p>
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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.
A3	Students have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgements that include reflection on relevant social, scientific or ethical issues.
A5	Students are able to convey information, ideas, problems and solutions to both specialist and non-specialist audiences.
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.
C16	Analyze, program and apply movement as a therapeutic measure, promoting the participation of the patient/user in the process.
C19	Understand and perform specific methods and techniques related to the locomotor system (including manual therapies, joint manipulative therapies, osteopathy and chiropractic), neurological processes, respiratory system, cardiocirculatory system and static and dynamic alterations. Specific methods and techniques that take into account the implications of orthopedics in physiotherapy, reflex therapeutic techniques, as well as other alternative and/or complementary methods and techniques whose safety and efficacy is demonstrated according to the state of development of science.
C20	Identify the most appropriate physiotherapeutic treatment in the different processes of alteration, prevention and health promotion as well as in the processes of growth and development.
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.
C22	Know and apply good clinical practice guidelines.
C35	To know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.

- C36 To know and understand the methods, procedures and physiotherapeutic actions, aimed at both the actual therapy to be applied in the clinic for the reeducation or functional recovery, as well as the implementation of activities aimed at the promotion and maintenance of health.
- C37 To acquire adequate clinical experience that provides intellectual abilities and technical and manual skills; that facilitates the incorporation of ethical and professional values; and that develops the capacity to integrate the acquired knowledge.
- D1 Ability to communicate orally and in writing in Galician.
- D4 Creativity, entrepreneurial spirit and adaptation to new situations.

Expected results from this subject

Expected results from this subject	Training and Learning Results		
-	A2	C9 C13 C21	
-	A2	C9 C13 C16 C19 C20 C21 C22 C35 C36 C37	
-	A2 A3 A5	C13 C21	D1
-	A2	C13 C16 C19 C20 C21 C22 C36 C37	D1 D4

Contents

Topic	
Physiotherapy methods in the treatment of pediatric pathologies.	To know the different methodologies of treatment of pediatric dysfunctions.
Physiotherapy in disorders of the peripheral nervous system.	To know the methodologies of treatment of peripheral nervous system diseases.
Physiotherapy in spinal cord injuries.	To know the methodologies of treatment of spinal cord injuries.
Physiotherapy in neuromuscular processes.	To know the fundamental principles of work in neuromuscular processes.
Physiotherapy in oncology.	To know the fundamental principles of treatment of patients suffering from an oncological process.
Physiotherapy in degenerative processes (Parkinson, multiple sclerosis, ALS...)	To know the fundamental principles of application of the methodologies of treatment of the different degenerative processes.

Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	1	0	1
Lecturing	31	78	109
Presentation	1	6	7
Laboratory practical	40	60	100
Essay	6	0	6
Essay questions exam	1	0	1
Simulation or Role Playing	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	The guidelines of the methodologies to be developed by the students during the course will be indicated.

Lecturing	The information on the contents of the subject will be transmitted by means of an exposition supported by audiovisual material.
Presentation	The contents of the subject will be presented, as well as the methodologies that will be developed during the course.
Laboratory practical	The student will have to carry out the practice of the contents presented.

Personalized assistance

Methodologies	Description
Lecturing	Lecture Doubts raised during the development of the theoretical contents will be solved, in addition to during the classes, by means of face-to-face tutorials in the professors' offices or by e-mail.
Laboratory practical	The doubts raised during the development of the practical contents will be solved, in addition to during the classes, by means of face-to-face tutorials in the offices of the teaching staff or by e-mail.

Assessment

	Description	Qualification	Training and Learning Results		
Lecturing	The knowledge acquired in the lectures will be evaluated. The theoretical exam will consist of development questions. To pass this part the student must obtain a qualification of 5 out of 10.	40	A2	C9 C13 C21	
Presentation	The knowledge and skills acquired through the completion of the tutored work are evaluated through the presentation of the written work and its defense.	20	A2	C13 C16 C19 C20 C21 C36 C37	D1 D4
Laboratory practical	The knowledge and skills acquired through laboratory practicals will be evaluated through simulation or role playing.	40	A2 A3 A5	C9 C13 C16 C19 C20 C21 C22 C35 C36 C37	D1

Other comments on the Evaluation

CONTINUOUS EVALUATION:

In the continuous evaluation mode the evaluation percentages are:

-Exam of development questions that will account for 40% of the grade of the subject, Practical Exam (Simulation or Role Playing): that will account for 40% of the grade and the work, of a compulsory nature, that will account for 20% of the grade. To pass the subject a minimum of 5 out of 10 must be obtained in the theoretical exam, in the practical exam and in the work.

Continuous assessments outside the examination period shall be indicated in the timetable.

-GLOBAL EVALUATION (waiver of continuous evaluation):

Due to the characteristics of the subject and the distribution of the evaluation percentages, in the global evaluation modality the same evaluation percentages and the same criteria for passing the subject are maintained.

Those who do not wish to follow the continuous evaluation must notify in writing following the procedure established by the Faculty of Physiotherapy. The resignation to the continuous evaluation must be done in the 5th week of teaching, which means that the student will assume the global evaluation established in the subject. Once the continuous evaluation has been waived, the student will not be entitled to it, nor to the considerations established therein.

Sources of information

Basic Bibliography

Marta Bisbe Gutiérrez, Carmen Santoyo Medina, Vicenç Tomàs Segarra i Vidal., **Fisioterapia en Neurología: Procedimientos para restablecer la capacidad funcional.**, Medica Panamericana, 2012

Marta Bisbe Gutiérrez, Carmen Santoyo Medina, **Fisioterapia en neurología: Procedimientos para restablecer la capacidad funcional**, Medica Panamericana, 2021

Sophie Levitt, **Tratamiento de la parálisis cerebral y del retraso motor**, 5ª edición, Medica Panamericana, 2013

Complementary Bibliography

Roberto Cano de la Cuerda, Rosa Mª Martínez Piédrola, Juan Carlos Miangolarra Page, **Control y Aprendizaje Motor**, Medica Panamericana, 2015

Roberto Cano de la Cuerda, Susana Collado Vázquez., **Neurorrehabilitación: Métodos específicos de valoración y tratamiento**, Medica Panamericana, 2012

Rodríguez, M^a & Cano de la Cuerda, Roberto & Collado-Vazquez, Susana & Casas, Patricia, **Apps en neurorrehabilitación**, Dykinson, 2016

Kisner y Colby, **Ejercicio Terapéutico: Fundamentos y técnicas**, Medica Panamericana, 2010

Calais, Blandine, **ANATOMIA PARA EL MOVIMIENTO (T. I): INTRODUCCION AL ANALISIS DE LAS TECNICAS CORPORALES**, La liebre de marzo, 2012

Recommendations

Subjects that continue the syllabus

Physical therapy in clinical specialties I/P05G171V01308

Subjects that are recommended to be taken simultaneously

Physical therapy in clinical specialties II/P05G171V01309

Subjects that it is recommended to have taken before

Manual Therapy in Neuromotor Disorders/P05G171V01301