



## IDENTIFYING DATA

### Physical Therapy for Differently-Abled People

Subject	Physical Therapy for Differently-Abled People			
Code	P05G171V01311			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	3rd	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	Mollinedo Cardalda, Irimia			
Lecturers	Mollinedo Cardalda, Irimia			
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Web				
General description	This is an elective subject in the second term of the third course that is centered on functional diversity and especially in the process of aging. In functional diversity, the physiotherapist has to evaluate his/her patient identifying those appearances that deserve special intervention to keep the greater possible independence. Finally, psychomotor reeducation can be a very interesting approach in patients with functional diversity as it is centered on the main appearances of psychomotricity: motor, cognitive, and socio-affective areas.			

## 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.			
B2	Incorporate the ethical and legal principles of the profession into professional practice and integrate social and community aspects into decision making.			
B3	Communicate effectively and clearly, both orally and in writing, with users of the health system as well as with other professionals.			
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.			
C16	Analyze, program and apply movement as a therapeutic measure, promoting the participation of the patient/user in the process.			
C38	Intervene in the areas of health promotion, prevention, protection and recovery.			
D1	Ability to communicate orally and in writing in Galician.			
D3	Recognition of diversity and multiculturalism			

## Expected results from this subject

Expected results from this subject	Training and Learning Results			
To define the concept of functional diversity, in addition to his current context in society.	A2	B3	C9 C13	D3
To describe the natural process of aging and the distinct pathological situations concurrent with this stage of life.	A2	B3	C3 C9 C13	D1 D3

To describe the main approaches of physiotherapy for the intervention with patients with some type of functional diversity or situation of dependency.	A2	B1 B3	C3 C9 C13 C16	D1 D3
To describe and differentiate the main resources of available technical help for people with distinct degrees of dependency and functional diversity to facilitate their daily, professional, or sportive tasks.	A2	B1 B2 B3	C3 C9 C13	D1 D3
To describe and demonstrate how to evaluate the functional state and take part in a program of psychomotor reeducation in elderly.	A2	B1 B2 B3	C3 C9 C13 C16 C38	D1 D3
To make, expose and defend a work in a group or individual about a theme related to the contents of the matter.	A2	B1 B2 B3	C9 C13 C16 C38	D1 D3

## Contents

Topic	
Functional diversity.	The concept of functional diversity and his current context.
Process of aging.	Physiological and morphological changes that experiment the different organic systems and how these changes can drive to different pathological processes and functional worsening.
Functional evaluation in the functional diversity	The main used tools to define the functional state of the patients oriented to plan an intervention based on the programs of psychomotor reeducation.
Physiotherapy in the functional diversity, dependency and mental health.	The physiotherapy's fundamental role in promoting the independence of patients with functional diversity, situations of dependency (and with his familiar), and mental affectation.
Programs of psychomotor reeducation.	The structure of different sessions of psychomotor reeducation in different populations taking into account the area motor, cognitive, and psycho-affective areas of psychomotor reeducation.

## Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	1	1	2
Mentored work	2	2	4
Lecturing	22	40	62
Laboratory practical	16	30	46
Essay questions exam	1	8	9
Simulation or Role Playing	0	12	12
Essay	0	10	10
Objective questions exam	0.5	4	4.5
Problem and/or exercise solving	0.5	0	0.5

\*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 coordinator of the subject will explain the points to take into account referents to the contents of the subject and lecturers, the form of evaluation to carry out and as the theoretical and practical classes of the subject will be structured, in addition to the work in group or individual that has to be made. She will explain the schedule proposal of classes to carry out during the term as well the dates of realization of the examinations. Finally, she will explain the educational obligations of the students for the development of the subject.
Mentored work	Development of a practical theoretical/work on a thematic related with the contents of the subject. The groups of work will be determined by thematic at the beginning of the term by the coordinator of the subject. It exists the possibility that the work could be developed in individual form (global assessment). The work will consist of a first part where students will do a review of the scientific literature on the agreed subject (it will be delivered a small part in written form) and a second part where students carry out a tutorial video (related with the context of the work). It will be carried out an individual follow-up of each member of the group (if the work is in group) as the marks will be established in individual form. The terms of delivery of the work and presentation (by Moovi) will be published in the beginning of the term in Moovi.

Lecturing	In theoretical classes, it will combine magistral lessons with theoretical/participatory classes that boost and motivate the participation of the students. It will be able to establish previous activities to the teaching of the class and its delivery by Moovi for his back discussion during the theoretical class. Besides, during the classes, activities of resolution of problems and collaborative learning could be carried out. To the criterion of the different lecturers of the modules, it will be able to establish forums of discussion in Moovi.
Laboratory practical	It will follow a demonstrative methodology, looking for the integration of the theoretical knowledge into the practice. The students will make practice, being corrected by the lecturer and solving all the doubts that can arise. Besides, studies of clinical cases and debates related to the thematic of the classes could be developed.

### Personalized assistance

Methodologies	Description
Mentored work	The personalized attention will be centered on solving doubts, orienting the work to make in the subject, and carrying register and value the made by the students of the same group and also of individual form for each member. It will be able to do by face-to-face form or by remote form through Remote Campus in the virtual dispatch of each lecturer of the subject.
Lecturing	The personalized attention will be centered on the solution of doubting their referents to the theoretical contents that can have the students and orient their efforts in the subject. It will be able to do by face-to-face form or by remote form through Remote Campus in the virtual dispatch of each lecturer of the subject.
Laboratory practical	The personalized attention will be centered on the solution of doubting their referents to the practical contents that can have the students, and orient their efforts in the matter. It will be able to do by face-to-face form or by remote form through Remote Campus in the virtual dispatch of each lecturer of the subject.

### Assessment

Description		Qualification	Training and Learning Results			
Essay questions exam	It consists of questions to develop on the agenda of the subject. All questions will have the same value. The student must achieve a minimum of 10 out of 20 for the exam score to count towards the final qualification.	20	A2	B1 B2 B3	C3 C9 C13 C16	D1 D3
Simulation or Role Playing	These simulations will be delivered in video format. It will be carried out in groups of three to four people. Students must achieve a minimum of 5 out of 10 for the mark to count towards the final grade.	35	A2	B1 B2 B3	C3 C9 C13 C16 C38	D1 D3
Essay	It is compulsory to complete and pass the course work in order to pass the subject. The work will be considered passed if it reaches, at least, 10 points out of 20. The work will be delivered in digital support using the virtual platform Moovi. This work is a group project.	20	A2	B1 B2 B3	C9 C13 C16 C38	D1 D3
Objective questions exam	It consists of multiple-choice questions with 4 answer options on the subject matter. Students must achieve a minimum of 5 out of 10 for the exam score to count towards the final grade.	15	A2	B1 B2 B3	C3 C9 C13 C16	D1 D3
Problem and/or exercise solving	Problem solving or exercises during some of the theoretical lessons.	10	A2	B1 B2 B3	C3 C9 C13 C16 C38	D1 D3

### Other comments on the Evaluation

#### Continuous Evaluation:

Students must attend 80% of the theoretical sessions and 80% of the practical sessions. Excused absences shall be considered to be those that adhere to Article 15 of the regulations.

Interactive group exercises during some theory classes through the Kahoot app, where points will be awarded in the final grade depending on the qualification in the activity. In addition to debates and problem solving will be performed.

It is compulsory to pass the work with a 5 out of 10 points in order to pass the subject. The rest of the parts, if the student does not reach 5 out of 10 points, will not count towards the final grade, but it is not a criterion for failing the subject. If in the final sum of the parts, the student does not reach 5 out of 10 points, he/she will go to the extraordinary evaluation with

the theoretical and practical contents.

### Global evaluation:

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

- Realization of an exam of questions of development on the agenda of the subject. All the questions will have the same value. This exam represents 50% of the final grade. Training and learning results: A2, B1, B2, B3, C3, C9, C13, C16, D1, D2.
- Simulation or role playing. Practical exam where students answer different questions in a practical way. These practical cases are chosen at random. In order to be able to take the practical exam, the student must first take the theoretical exam. This exam accounts for 35% of the final grade. Training and learning results: A2, B1, B2, B3, C3, C9, C13, C16, C38, D1, D2.
- Completion of the work of the subject and passing it is compulsory in order to pass the subject. The work will be considered passed if it reaches at least 5 points out of 10. The work will be delivered in digital support through the Moovi platform. This work is individual and represents 15% of the final grade. Training and learning outcomes: A2, B1, B2, B3, C9, C13, C16, C38, D1, D2.

### Extraordinary evaluation:

For students who do not achieve 5 out of 10 points in the final continuous assessment grade (only the mark for the work will be kept if it is passed). For students with a global assessment, the parts that were passed with a 5 out of 10 will be kept.

The modality consists of:

- Realization of an exam of questions of development on the agenda of the subject. All the questions will have the same value. This exam represents 50% of the final grade. Training and learning results: A2, B1, B2, B3, C3, C9, C13, C16, D1, D2.
- Simulation or role playing. Practical exam where students answer different questions in a practical way. These practical cases are chosen at random. In order to be able to take the practical exam, the student must first take the theoretical exam. This exam accounts for 35% of the final grade. Training and learning results: A2, B1, B2, B3, C3, C9, C13, C16, C38, D1, D2.
- Completion of the work of the subject and passing it is compulsory in order to pass the subject. The work will be considered passed if it reaches at least 5 points out of 10. The work will be delivered in digital support through the Moovi platform. This work is individual and represents 15% of the final grade. Training and learning outcomes: A2, B1, B2, B3, C9, C13, C16, C38, D1, D2.

It is necessary to pass all parts, with a 5 out of 10 points to pass the subject.

The Teaching Guide will follow the "REGULAMENTO SOBRE A AVALIAÇÃO, A CALIFICAÇÃO E A CALIDADE DA DOCÊNCIA E DO PROCESSO DE APRENDIZAGEM DO ESTUDANTADO" (Aprobado no claustro do 18 de abril de 2023), as well as the specific adaptations for the Degree in Physiotherapy determined in Xunta de Centro.

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### Sources of information

#### Basic Bibliography

Delgado-Ojeda & Castillo-Montes, **Rehabilitación y fisioterapia en geriatría**, 2016

Quirós-Aragón, **Psicomotricidad Guía de evaluación e intervención**, 2012

Millán-Calenti, **Gerontología y geriatría : valoración e intervención**, 2010

Organización Mundial de la Salud, **Clasificación Internacional del Funcionamiento, de la Discapacidad y de la Salud**, 2001

#### Complementary Bibliography

Osorio-Rivera et al, **Efectos de un programa de actividad física integral sobre la motricidad gruesa de niños y niñas con diversidad funcional**, 2019

Fennely et al, **Patient-reported outcome measures in advanced musculoskeletal physiotherapy practice: a systematic review**, 2018

Mani et al, **Validity and reliability of Internet-based physiotherapy assessment for musculoskeletal disorders: a systematic review**, 2017

Blanco-Magadán et al, **El Fisioterapeuta en la Educación Inclusiva**, 2017

Brugué, **¿Discapacidad o diversidad funcional?**, 2015

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Landinez-Parra et al, <b>Proceso de envejecimiento, ejercicio y fisioterapia</b> , 2012
Quinn et al, <b>Functional assessment in older people</b> , 2011
Ferreira, <b>De la minus-valía a la diversidad funcional: un nuevo marco teórico-metodológico</b> , 2010
Díaz & Ferreira, <b>DESDE LA DIS-CAPACIDAD HACIA LA DIVERSIDAD FUNCIONAL Un ejercicio de Dis-Normalización</b> , 2010
Palacios & Romañach, <b>EL MODELO DE LA DIVERSIDAD: UNA NUEVA VISIÓN DE LA BIOÉTICA DESDE LA PERSPECTIVA DE LAS PERSONAS CON DIVERSIDAD FUNCIONAL (DISCAPACIDAD)</b> , 2008
Fisioterapia en Movimiento, <b>Diagnóstico en Fisioterapia Modelo CIF</b> , 2022
Lazcano, <b>Clasificación Internacional de la Funcionalidad y de la Discapacidad y de la Salud Explicación y ejemplos</b> , 2020
Lazcano, <b>Clasificación Internacional de la Funcionalidad y de la Discapacidad y de la Salud Explicación y ejemplos</b> , 2020

## Recommendations

### Subjects that are recommended to be taken simultaneously

Physical therapy in clinical specialties I/P05G171V01308

Physical therapy in clinical specialties II/P05G171V01309

### Subjects that it is recommended to have taken before

Human anatomy: Human anatomy/P05G171V01101

Physiology: Human physiology/P05G171V01102

Physiology: Functional movement in physiotherapy/P05G171V01105

Human anatomy: Medical conditions/P05G171V01201

Human anatomy: Surgical conditions/P05G171V01202

Manual Therapy in Neuromotor Disorders/P05G171V01301