Universida_{de}Vigo

Subject Guide 2022 / 2023

IDENTIFYIN	<u> </u>			
	terapéutico en persoas maiores			
Subject	(*)Exercicio			
	terapéutico en			
	persoas maiores			
Code	P05M191V01108	,		
Study	Máster			
programme	Universitario en			
	Ejercicio			
	terapéutico en			
	fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Mandatory	1st	1st
Teaching	#EnglishFriendly			
language	Spanish			
	Galician			
Department				
Coordinator	Machado de Oliveira, Iris			
Lecturers	Machado de Oliveira, Iris			
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Web				
General description	In this matter, it will be deepened in the process pathological processes. In base on this and in cur capacity evaluating tools for the elderly people, v prevention/treatment based on the therapeutic e	rent scientific evidend vell like the design an	e we will tackle	e the main functional

Skills

Code

- A2 That the students know how to apply the knowledge acquired and their ability to solve problems in new or little-known environments within broader (or multidisciplinary) contexts related to their area of study.
- A3 That the students are able to integrate knowledge and face the complexity of formulating judgments based on information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
- B1 Know how to work in teams that are structured in a uni or multidisciplinary and interdisciplinary way as a professional specialized in Therapeutic Exercise in Physiotherapy.
- B2 Incorporate the ethical and legal principles of the physiotherapist profession into professional practice, as well as integrate social and community aspects in decision-making in interventions focused on Therapeutic Exercise in Physiotherapy.
- B3 Transmit information in a clear way to the users of the health system, as well as with other professionals.
- C11 Adapt therapeutic exercise sessions based on the characteristics of the patient, the pathology and the environment.
- C12 Apply a protocol for measuring the functional capacity of patients based on their characteristics, as well as the pathology in the different areas of specialization.
- C14 Design and apply therapeutic exercise programs in the elderly.
- D1 Ability to understand the meaning and application of the gender perspective in the different fields of knowledge and in professional practice with the aim of achieving a fairer and more equal society.
- D5 Recognition of diversity and multiculturalism.
- Of Creativity, entrepreneurial spirit and adaptation to new situations.
- Naintain an attitude of learning and improvement.

Learning outcomes	
Expected results from this subject	Training and
	Learning Results

To know how affects the process of aging to the conditions of health of elderly people.	A3
	B1
	D1
	D5
	D8
To know the prevalent pathology in elderly people and its basic characteristics.	A2
	A3
	B1
	D1
	D5
	D8
To be able to assess the functional capacity of elderly patients that goes to receive treatment based on	A3
therapeutic exercise.	B1
	B3
	C12
	D1
	D5
	D8
To design and apply programs of therapeutic exercise for the prevention and treatment of different	A2
pathologies and clinical situations of elderly people.	A3
	B2
	B3
	C11
	C14
	D1
	D5
	D6

Contents	
Topic	
- Process of aging and health.	It will treat the thematic related to the physiological, functional, and cognitive changes associated with the aging process and how these changes can drive the development of the prevalent pathologies in elderly people.
- Prevalent pathology in elderly people.	It will treat the thematic related to the prevalent pathologies among elderly people based on the different corporal systems.
 Instruments of assessment of the functional capacity of the elderly people related to different pathological processes. 	They will present the main tools used nowadays for the evaluation of the functional capacity of elderly people with examples based on different pathologies.
- Scientific evidence on therapeutic exercise in elderly people.	Presentation of a compilation of the up-to-date evidence on the effect of the therapeutic exercise in elderly people with different pathologies.
 Programs of therapeutic exercise for the prevention and the treatment of pathologies in elderly people. 	Presentation, examples, design, and application of different protocols of therapeutic exercise directed to the prevention and treatment of different pathologies in elderly people based on his/her functionality and clinical status.

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	12	24	36
Laboratory practical	12	12	24
Portfolio / dossier	0	3	3
Essay	0	10	10
Case studies	0	2	2

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

Methodologies	
	Description
Lecturing	Exhibition by part of the professor of the contents on Therapeutic Exercise in Elderly People, in addition to debates on selected case studies.
Laboratory practical	Activities of application of the knowledge and concrete situations and acquisition of advanced skills in the functional evaluation of the elderly people that present different pathological processes and designing and application of intervention protocols in Therapeutic Exercise applied to this population.

Personalized assistance

Methodologies	Description
Lecturing	The personalized attention will be centered on the solution of doubting about the theoretical subjects that can have the students, and on orienting his/her efforts in the matter. It can be developed in face-to-face guiding sessions in the respective lecturer's office or virtually by Remote Campus in the respective virtual lecturer's offices after a previous agreement between the interested student and lecturers.
Laboratory practical	The personalized attention will be centered on the solution of doubting about the practical subjects that can have the students, and on orienting his/her efforts in the matter. It can be developed in face-to-face guiding sessions in the respective lecturer's office or virtually by Remote Campus in the respective virtual lecturer's offices after a previous agreement between the interested student and lecturers.
Tests	Description
Portfolio / dossier	The personalized attention will be centered on solving doubts, orienting the development of the dossier to make in the matter, and carrying register and value the made by the students. It can be developed in face-to-face guiding sessions in the respective lecturer's office or virtually by Remote Campus in the respective virtual lecturer's offices after a previous agreement between the interested student and lecturers.
Essay	The personalized attention will be centered on solving doubts, orienting the work to make in the matter, and carrying register and value the made by the students of the same group and also of individual form for each member. It can be developed in face-to-face guiding sessions in the respective lecturer's office or virtually by Remote Campus in the respective virtual lecturer's offices after a previous agreement between the interested student and lecturers.
Case studies	The personalized attention will be centered on solving doubts, orienting the development of the report of the case study to make in the matter, and carrying the register and value the made by the students. It can be developed in face-to-face guiding sessions in the respective lecturer's office or virtually by Remote Campus in the respective virtual lecturer's offices after a previous agreement between the interested student and lecturers.

Assessn	nent		
	Description	Qualification	Training and Learning Results
Portfolio dossier	/ The students will have to draft a dossier in which it collects the description of one of the assessment tools of the functional capacity of the elderly people including at least three evidences (publications) of his use in elderly people and a final comment in which present fortresses of the tool and limitations of the same, with reference to his application or to the results that generates. The instructions about the preparation and terms of delivery of this dossier will be published in the Moovi teaching platform in the specific space of the matter.	I	A3 B1 C12 D1 B3 D5 D8
Essay	The students in groups of 4-5 students will have to choose a prevalent pathology among the elderly people and make a research of at least 3 clinical studies that employ some modality of therapeutic exercise in said pathology. It will deliver an archive in PPT with audio associated in which it presents the results by graphic form of the studies selected and his main characteristics in addition to presenting some brief conclusions of the analysis made.		A2 B1 C11 D1 A3 B2 C14 D5 B3 D6 D8
Case studies	In groups of 2-3 students and following an example of clinical case developed in the face-to-face sessions, the students have to present a different proposal of functional assessment or a different proposal of protocol of therapeutic exercise allocated to diminish the functional limitations presented by the patient. The most detailed orientations of the development of the case and form of delivery will be publish in the Moovi platform of teaching in the specific space of the subject.		A2 B1 C11 D1 A3 B2 C12 D5 B3 C14 D6 D8

Other comments on the Evaluation

Sources of information	Sources	of i	nform	nation
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Basic Bibliography

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Houglum, Therapeutic Exercise for Musculoskeletal Injuries, 9781450468831, 2016

Rose DJ, **Equilibrio y Movilidad con Personas Mayores**, 8480198389, 2005

Complementary Bibliography

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Ministerio de Sanidad, **Actualización del documento de consenso sobre prevención de la fragilidad en la persona** mayor, 2022

Unión Europea, **Vivifrail**, https://vivifrail.com/es/documentacion/, 2022

Recommendations

Subjects that continue the syllabus

(*)Prácticas externas/P05M191V01207

Subjects that are recommended to be taken simultaneously

(*)Bases anatomofuncionais no exercicio terapéutico/P05M191V01101

(*)Exercicio terapéutico no tratamento de enfermidades neurodexenerativas e na diversidade funcional/P05M191V01107 (*)Fundamentos do exercicio terapéutico e deseño de programas/P05M191V01102