



Teaching Guide

Teaching Guide				
Identifying Data				2019/20
Subject (*)	FUNCTIONAL AND PSYCHOSOCIAL ASSESSMENT		Code	651G01007
Study programme	Grao en Fisioterapia			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	Yearly	First	Obligatory	9
Language	SpanishGalician			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias Biomédicas, Medicina e FisioterapiaFisioterapia, Medicina e Ciencias Biomédicas			
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Web				
General description	At the end of the course the student has to purchase the competence to evaluate, from the perspective of the physiotherapy, the functional state of the patient/user, considering the physical appearances, psychological and social of the same, as well as know, comprise and apply the manual and instrumental procedures of functional and psychosocial assessment of interest in the professional exercise of the physiotherapy and physical rehabilitation, and identify the scientific foundations of its utility and effectiveness.			

Study programme competences

Code	Study programme competences
A2	Coñecer e comprender as ciencias, os modelos, as técnicas e os instrumentos sobre os que se fundamenta, articula e desenvolve a fisioterapia.
A3	Coñecer e comprender os métodos, procedementos e actuacións fisioterapéuticas, encamiñados tanto á terapéutica propiamente dita a aplicar na clínica para a reeducación ou recuperación funcional, como á realización de actividades dirixidas á promoción e mantemento da saúde.
A5	Valorar o estado funcional do paciente, considerando os aspectos físicos, psicolóxicos e sociais.
A6	Valoración diagnóstica de coidados de fisioterapia segundo as normas e cos instrumentos de validación recoñecidos internacionalmente.
A7	Deseñar o plan de intervención de fisioterapia atendendo a criterios de adecuación, validez e eficiencia.
A8	Executar, dirixir e coordinar o plan de intervención de fisioterapia, utilizando as ferramentas terapéuticas propias e atendendo á individualidade do usuario.
A9	Avaliar a evolución dos resultados obtidos co tratamento en relación cos obxectivos marcados.
A10	Elaborar o informe de alta dos coidados de fisioterapia unha vez cubertos os obxectivos propostos.
A15	Participar na elaboración de protocolos asistenciais de fisioterapia baseada na evidencia científica, fomentando actividades profesionais que dinamicen a investigación en fisioterapia.
A19	Comunicarse de modo efectivo e claro, tanto de forma oral como escrita, cos usuarios do sistema sanitario así como con outros profesionais.
B1	CB1 - Que los estudiantes hayan demostrado poseer y comprender conocimientos en un área de estudio que parte de la base de la educación secundaria general, y se suele encontrar a un nivel que, si bien se apoya en libros de texto avanzados, incluye también algunos aspectos que implican conocimientos procedentes de la vanguardia de su campo de estudio
B2	CB2 - Que los estudiantes sepan aplicar sus conocimientos a su trabajo o vocación de una forma profesional y posean las competencias que suelen demostrarse por medio de la elaboración y defensa de argumentos y la resolución de problemas dentro de su área de estudio
B3	CB3 - Que los estudiantes tengan la capacidad de reunir e interpretar datos relevantes (normalmente dentro de su área de estudio) para emitir juicios que incluyan una reflexión sobre temas relevantes de índole social, científica o ética
B4	CB4 - Que los estudiantes puedan transmitir información, ideas, problemas y soluciones a un público tanto especializado como no especializado



B5	CB5 - Que los estudiantes hayan desarrollado aquellas habilidades de aprendizaje necesarias para emprender estudios posteriores con un alto grado de autonomía
C1	Adequate oral and written expression in the official languages.
C6	Acquiring skills for healthy lifestyles, and healthy habits and routines.
C9	Ability to manage times and resources: developing plans, prioritizing activities, identifying critical points, establishing goals and accomplishing them.

Learning outcomes			
Learning outcomes		Study programme competences	
Know, analyse and comprise the procedures and instruments in which the process of physiotherapy is based	A2	B1	
	A3	B2	
		B3	
		B4	
		B5	
Develop the concept of assessment and identify the differences between assessment, exploration and diagnostic, identifying the phases of the Process of Attention Fisioterápica, as well as the paper of the functional and psychosocial assessment inside the same.	A5	B1	
	A7	B2	
		B3	
		B4	
		B5	
Know the general aims of the physiotherapy assessment and describe the differents types of exploration.	A6	B1	
		B2	
		B3	
		B4	
		B5	
Know and describe the procedure of visual, manual and instrumental exploration of the skin, articulations, muscles, sinews and ligaments, according to the norms and with the internationally recognized instruments and relate the results obtained.	A6	B1	
	A8	B2	
		B3	
		B4	
		B5	
Know and apply the systematic of functional assessment to the articulations of the Upper Limb, Inferior Limb and Vertebral Column.	A5	B1	C9
		B2	
		B3	
		B4	
		B5	
Evaluate the evolution of the patient/user's health problem, relating the results with the aims proposed.	A7	B1	
	A9	B2	
		B3	
		B4	
		B5	
Establish the relation between the functional and psychosocial assessment and the physiotherapy methods, procedures and acts developed in the clinical field, so much for the selection and dosage of the procedures of reeducation or functional recovery, as for the activities headed to the promotion and conservation of the health.	A3	B1	C6
	A8	B2	
	A15	B3	
		B4	
		B5	
Design a system of register of the information obtained during the assessment, identifying his aims and recognising the importance of said register in the clinical field, as well as the report of evolution and high relative to the process of physiotherapy attention once covered the aims proposed.	A10	B1	C1
	A19	B2	C9
		B3	
		B4	
		B5	



Contents	
Topic	Sub-topic
THEORETICAL PROGRAM	1.1-Concept of assessment, examination and diagnostic. Aims of the assessment. Types of examination
UNIT 1.- EXAMINATION And MEASUREMENTS: Concept of assessment, examination and diagnostic. Aims of the assessment. Types of examination	1.2- Examination Methods: Interview. Interview technique. 1.3- Examination Methods: visual, manual and instrumental. 1.4-Analytical Examination of the cutaneous and subcutaneous tissue. 1.4- Joint analytical examination 1.5- Muscle and tendon analytical examination. 1.5- Pain examination. 1.6- Principles of the functional examination.
UNIT 2.- EXAMINATION And MEASUREMENTS: Goniometry	2.1- Concept and general principles of the goniometry 2.2- Types of goniometers. 2.3- Systems of register. 2.4- Goniometry technique. 2.4.1- Upper limb goniometry. 2.4.2- Lower limb goniometry. 2.4.3- Spine goniometry.
UNIT 3.- EXAMINATION And MEASUREMENTS: Muscle balance test	3.1- Concept and general principles. 3.2- Systems of gradation and of register 3.3- Procedure of the muscle balance tests. 3.3.1- Scapular and upper limb muscle balance tests. 3.3.2- Trunk and lower limb muscle balance tests. 3.3.2- Facial muscle balance tests.
UNIT 4.- ANALYTICAL AND FUNCTIONAL EXAMINATION OF THE SHOULDER AND SCAPULAR WAIST.	4.1- Analytical Examination: 4.1.1- Glenohumeral, scapulothoracic, sternoclavicular and acromioclavicular observation, palpation and instrumental examination tests 4.2- Glenohumeral, scapulothoracic, sternoclavicular and acromioclavicular Functional Examination.
TEMA 5.- EXPLORACIÓN ANALÍTICA E FUNCIONAL DO OMBREIRO E DA CINTURA ESCAPULAR.	5.1- Exploración analítica: 5.1.1- Observación, palpación e probas instrumentais da articulación gleno-humeral, escapulo-toracica, esterno-clavicular e acromio ?clavicular. 5.2- Exploración funcional da articulación gleno-humeral, escapulo-toracica, esterno-clavicular e acromio ?clavicular.
UNIT 5.- ANALYTICAL AND FUNCTIONAL EXAMINATION OF THE JOINT COMPLEX OF THE ELBOW, THE DOLL AND THE HAND.	5.1- Humeroulnar, humeroradial and superior radioulnar joint analytical examination. 5.2.- Humeroulnar, humeroradial and superior radioulnar joint functional examination. 5.3.- Interphalangeal, metacarpophalangeal, carpalmetacarpal, middle carpal, radiocarpal and inferior radioulnar joint analytical examination. 5.4.- Interphalangeal, metacarpophalangeal, carpalmetacarpal, middle carpal, radiocarpal, superior and inferior radioulnar joint functional examination 5.5.- Upper limb and scapular waist functional examination.
UNIT 6.- ANALYTICAL AND FUNCTIONAL EXAMINATION OF THE HIP AND PELVIC WAIST.	6.1- Coxofemoral and pelvic joint analytical examination 6.2.- Coxofemoral and pelvic joint functional examination.



UNIT 7.- ANALYTICAL AND FUNCTIONAL EXAMINATION OF THE KNEE, ANKLE AND FOOT.	7.1.- Femorotibial, femoropatellar, superior and inferior tibiofibular, talocrural, subtalar, middle tarsal, tarsalmetatarsal, metatarsophalangeal and interphalangeal joint analytical examination. 7.2.- Knee, ankle and foot functional examination. 7.3.- Gait and lower limb functional examination.
UNIT 8.- ANALYTICAL AND FUNCTIONAL EXAMINATION OF THE RAQUIS.	8.1.- Cervical raquis analytical and functional examination. 8.2.- Thoracic raquis analytical and functional examination. 8.3.- Lumbar raquis analytical and functional examination.
TEMA 9.- EXAMINATION And MEASUREMENTS: physiotherapy record.	9.1- Concept and aims of the physiotherapy record. 9.2- Basic sections of the physiotherapy record. 9.3- Reports of evolution and reports of physiotherapy discharge.
UNIT 10: MULTIDIMENSIONAL HEALTH CONSTRUCT	10.1.- Health construct. 10.1.1 Physical health. Psychological health. Social health. Functional status functional. Health perception. 10.2.- Instruments of measure of the state of health. 10.2.1 Measurement instruments classification Psicometric properties: validity and reliability. Applications in health sciences. 10.3.- The quality of life and its dimensions. 10.3.1 Quality of life and quality of life related with the health concepts. 10.3.2 Quality of life dimensions. 10.3.3 Wilson and Cleary's conceptual model. 10.3.4 WHOQOL as an universal instrument of measure of the quality of life.
PRACTICAL PROGRAM	1.1- Skin observation 1.2- Skin Palpation 1.3- Instrumental examination
PRACTICE 1: SKIN EXAMINATION	
PRACTICE 2: JOINT INSTRUMENTAL EXAMINATION	2.1- Joint goniometry: general Technician 2.1.1- General Position 2.1.2- Joint position 2.1.3- Goniometer position 2.1.4- Compensatory movements
PRACTICE 3: Muscle examination	3.1- General technique 3.1.1 Joint position 3.1.2 Stabilisation 3.1.3 Gravity test 3.1.4 Resistance test 3.2- Facial muscles assessment
PRACTICE 4: Analytical and functional examination of the shoulder and scapular waist	4.1- Joint observation 4.2- Palpation of: 4.2.1- Bone tuberosities 4.2.2- Joint interlinea 4.2.3- Ligaments 4.2.4- Tendons 4.2.5- Muscles 4.3- Manual Mobility 4.4- Instrumental Mobility 4.5- Muscle Balance Testing 4.6- Functional test



PRACTICE 5: Analytical and functional examination of the elbow, the doll and the hand	4.1- Joint observation 4.2- Palpation of: 4.2.1- Bone tuberosities 4.2.2- Joint interlinea 5.2.3- Ligaments 5.2.4- Tendons 5.2.6- Muscles 5.3- Manual Mobility 5.4- Instrumental Mobility 5.5- Muscle Balance Testing 5.5- Functional test
PRACTICE 6: Analytical and functional examination of the hip and pelvic waist.	6.1- Joint observation 6.2- Palpation of: 6.2.1- Bone tuberosities 6.2.2- Joint interlinea 6.2.3- Ligaments 6.2.4- Tendons 6.2.5- Muscles 6.3- Manual Mobility 6.4- Instrumental Mobility 6.5- Muscle Balance Testing 6.6- Functional test
PRACTICE 7: Analytical and functional examination of the knee	7.1- Joint observation 7.2- Palpation of: 7.2.1- Bone tuberosities 7.2.2- Joint interlinea 7.2.3- Ligaments 7.2.4- Tendons 7.2.5- Muscles 7.3- Manual Mobility 7.4- Instrumental Mobility 7.5- Muscle Balance Testing 7.6- Functional test
PRACTICE 8. Analytical and functional examination of the ankle and foot	8.1- Joint observation 8.2- Palpation of: 8.2.1- Bone tuberosities 8.2.2- Joint interlinea 8.2.3- Ligaments 8.2.4- Tendons 8.2.5- Muscles 8.3- Manual Mobility 8.4- Instrumental Mobility 8.5- Muscle Balance Testing 8.6- Functional test



PRACTICE 9: Analytical and functional examination of the cervical, thoracic and lumbar raquis	9.1- Joint observation
	9.2- Palpation of:
	9.2.1- Bone tuberosities
	9.2.2- Joint interlinea
	9.2.3- Ligaments
	9.2.4- Tendons
	9.2.5- Muscles
	9.3- Manual Mobility
	9.4- Instrumental Mobility
	9.5- Muscle Balance Testing
	9.6- Functional test

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Laboratory practice	A2 A3 A5 A6 A7 A8 A9 A19 B1 B2 B3 B4 C1	45	55	100
Guest lecture / keynote speech	A2 A3 A5 A6 A7 A8 A10 A15 A19 B1 B2 B3 B4 B5 C9	42	77	119
Mixed objective/subjective test	A2 A3 A5 A6 A19 C1 C6 C9	2	0	2
Practical test:	A5 A6 A8 C9	1	0	1
Personalized attention		3	0	3
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Laboratory practice	Methodology that allows that the students learn sure enough through the realisation of activities of practical character, such like demonstrations, exercises, experiments and investigations
Guest lecture / keynote speech	Oral exhibition complemented with the use of audiovisual means and the introduction of some questions headed to the students, with the purpose to transmit knowledges and facilitate the learning. The masterclass is also known like conference, method expositivo or lesson magistral. This last modality sound reserve to a special type of lesson given by a professor in special occasions, with a content that supposes an original preparation and based in the almost exclusive use of the word like road of transmission of the information to the audience
Mixed objective/subjective test	Test that integrates ask type of essay and ask type of other objective questions. Regarding questions of essay, collects open questions of development. Besides, in what objective questions, can combine questions of multiple answer, of ordenación, of brief answer, of discrimination, to complete and/or of association.
Practical test:	This test value the exert practical of the student in front of different supposed posed by the professor. Test in which it looks for answer, of oral and practical form, the questions talas or of some amplitude, valuing the capacity of reasoning (argue, relate, etc.), creativity and critical spirit. It allows to measure the skills that can not evaluate with objective proofs like the capacity of criticism, of synthesis, of comparison, of preparation and of originality of the student; by what involves a wide study and deepen of the contents, without losing of sight the group of the ideas and his relations.

Personalized attention	
Methodologies	Description



Laboratory practice Guest lecture / keynote speech	The supervised projects aims to combine individual student work with the group, trying to encourage cooperative work, the discussion of proposed themes and conclusions. Each student will have to apply systematic functional and psychosocial assessment, learned through other methodologies, to an individual, identifying and describing the changes and setting, therefore, a fisioterapico diagnosis. Likewise, the student will have to determine the objectives of preventive and / or therapeutic that can be approached from physiotherapy. Information gathering, analysis and interpretation of the results and conclusions will be duly recorded in physiotherapy record. Finally a pooling of cases evaluated in small groups and an oral presentation of cases that proffesors consider most interesting from a pedagogical point of view will be made will be made. A total of four hours of personal attention are set for tutoring work, distributed regularly throughout the course. This time will be used for student orientation, discussion of the aspects that manifest more difficulties and resolving doubts
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Assessment			
Methodologies	Competencies	Description	Qualification
Mixed objective/subjective test	A2 A3 A5 A6 A19 C1 C6 C9	Test that integrates ask type essay and ask type of objective test. Regarding questions of essay, collects open questions of development. Besides, in what objective questions, can combine questions of multiple answer, of ordenación, of brief answer, of discrimination, to complete and/or of association.	50
Practical test:	A5 A6 A8 C9	Proof that values the exert practical of the student in front of suppositions posed by the professor. Proof in which it looks for answer, of oral and practical form, the questions talas or of some amplitude, valuing the capacity of reasoning (argue, relate, etc.), creativity and critical spirit. It allows to measure the skills that can not evaluate with objective proofs like the capacity of criticism, of synthesis, of comparison, of preparation and of originality of the student; by what involves a wide study and deepen of the contents, without losing of sight the group of the ideas and his relations.	40
Guest lecture / keynote speech	A2 A3 A5 A6 A7 A8 A10 A15 A19 B1 B2 B3 B4 B5 C9	Intervención inherente aos procesos de ensino-aprendizaxe baseada na exposición verbal a través da que o alumnado e profesorado interactúan dun modo ordenado, propondo cuestións, facendo aclaracións e expondo temas, traballos, conceptos, feitos ou principios de forma dinámica. Os contidos abordados nas sesións maxistrais serán obxecto de avaliación continuada mediante probas de comprensión que se realizarán, de forma aleatoria, en diferentes momentos do cuadrimestre, e/ou traballos tutelados. Ademais, dentro da avaliación continuada da materia, valorarase tamén a asistencia, puntualidade, actitude, participación razoada, traballo en equipo, resolución de prácticas e axuda aos compañeiros durante as mesmas.	10

Assessment comments
The mixed test and the practical test should be approved to pass the subject. If one of the two tests mentioned above is not exceeded (less than 5/10 score points), it is possible averaging with the other test (mixed test or practical test) if a rating of more than 4/10 points is obtained. In any case, to pass subject, it is necessary that the average rating of the mixed test and practice test proves equal or greater than 5/10 points.

Sources of information



Basic

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Complementary	- Jesús Seco Calvo (2016). Métodos Específicos de Intervención en Fisioterapia. Madrid: Panamericana - Jesús Seco Calvo (2016). Fisioterapia en Especialidades Clínicas. Madrid: Panamericana
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Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

ANATOMY I AND HISTOLOGY/651G01001

PHYSIOLOGY/651G01003

BIOPHYSICS AND BIOCHEMISTRY/651G01004

THEORETICAL FRAMEWORK OF PHYSIOTHERAPY AND PHYSICAL REHABILITATION/651G01006

GENERAL PHYSIOTHERAPY/651G01008

Subjects that continue the syllabus

Other comments

Para axudar a conseguir unha contorna inmediata sustentable e cumprir cos obxectivos estratéxicos do Plan Green Campus da Facultade de Fisioterapia, os traballos documentais que se realicen nesta materia poderanse solicitar tanto en formato papel como virtual ou soporte informático. De realizarse en papel, seguiranse na medida do posible as seguintes recomendacións xerais:- Non se utilizarán plásticos.- Realizaranse impresións a dobre cara.- Empregarase papel reciclado.- Evitarase a realización de borradores.

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.