



(*)Facultade de Fisioterapia

(*)Presentación

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As guías docentes recollen información relevante das materias que compoñen o plan de estudos do Grao en Fisioterapia.

(*)Equipo Decanal Centro e Directivo dos Departamento

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(*)Páxina web

(*)

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(*)Localización

Subjects			
Year 1st			
Code	Name	Quadmester	Total Cr.
P05G171V01101	Human anatomy: Human anatomy	1st	9
P05G171V01102	Physiology: Human physiology	1st	9
P05G171V01103	Biochemistry-Physics: Biochemistry and biophysics	1st	6
P05G171V01104	Basics of physiotherapy	1st	6
P05G171V01105	Physiology: Functional movement in physiotherapy	2nd	9
P05G171V01106	Psychology: Applications in health sciences	2nd	6
P05G171V01107	Human anatomy: Medical-surgical conditions	2nd	9
P05G171V01108	Physiotherapy evaluation	2nd	6

IDENTIFYING DATA				
Human anatomy: Human anatomy				
Subject	Human anatomy: Human anatomy			
Code	P05G171V01101			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Basic education	1st	1st
Teaching language	#EnglishFriendly Spanish			
Department				
Coordinator	Padín Iruegas, María Elena			
Lecturers	Padín Iruegas, María Elena			
E-mail	mepadin@uvigo.es			
Web				
General description	English Friendly subject: International students may request from the teachers: a) resources and bibliographic references in English, b) tutoring sessions in English, c) exams and assessments in English.			

Training and Learning Results	
Code	
A1	Students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is usually at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.
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.
A5	Students are able to convey information, ideas, problems and solutions to both specialist and non-specialist audiences.
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.
B4	Acquire basic scientific training in research.
C6	Identify anatomical structures as a basis of knowledge to establish relationships dynamically with the functional organization.
C34	To know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.
D1	Ability to communicate orally and in writing in Galician.
D4	Creativity, entrepreneurial spirit and adaptation to new situations.
D5	Developing leadership and organizational skills.
D7	Maintain an attitude of learning and improvement.

Expected results from this subject	
Expected results from this subject	Training and Learning Results
1-To know the basic concepts for the knowledge of Anatomy (science, morphology, anatomy, kinesiology, relationship between form and function, ...), the division of Anatomy according to different criteria and its applications to degree studies	A1 B2 C6 D1 A2 B3 D4 A5 D7
2-Locate and identify the bones of the head, including their most relevant morphological features, and which give a greater functional contribution. Know the elements that make up each joint, as well as identify the type of joint and its generic mechanical characteristics. Know the main muscles.	A2 B3 C6 D4 A5 C34 D7
3- Know and begin to master the basic anatomical terminology that allows the anatomical description.	A2 B3 C6 D4 A5 D7
4-Know the external morphology and the heart inner configuration.	A2 B3 C6 D7 A5
5- Master those morphological concepts will serve for the clinical understanding of the respiratory pathology and to understand the fundamentals of ventilatory assistance techniques.	A2 B3 C6 D7 A5 C34
6- Know the general organization and functionality of the nervous system	A2 B3 C6 D7 A5 C34

7-Master the macroscopic description. Identify the different parts and components. Set to morpho- A2 B1 C6 D4
functional correlation. Understand correctly the basic approaches and training in the handling of A5 B2 C34 D5
basic instruments and tools. B3 D7
B4

Contents

Topic	
Theoretical program	Generalities: human citology, histologyl and embriology . Locomotor System: head, neck, trunk and extremities. Heart and blood vessels. System Digestive ,respiratory, genitourinary systems, esthesiology, nervous system cranial peripheral. Nervous system of the autonomous life. Central nervous system.
Practical program:	Practices of citology and histology. Study of the different systems. Identification of structures in anatomic models

Planning

	Class hours	Hours outside the classroom	Total hours
Laboratory practical	27	40	67
Lecturing	43	86	129
Objective questions exam	1	27	28
Systematic observation	40	0	40
Objective questions exam	1	27	28

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

Methodologies

	Description
Laboratory practical	With these kinds looks for that serve to the student stop a better understanding of the theoretical knowledges.
Lecturing	The professor structure and/or explains the contents of the subject. Stop his study the students have of the presentations seen in the kind, in MOOVI and/or photocopies.

Personalized assistance

Methodologies	Description
Lecturing	Orientation to the student envelope the contents of the subject. Resolution of doubts of personal way in the hours devoted to tutorials.
Laboratory practical	Orientation to the student envelope the contents of the practical. Resolution of doubts

Assessment

	Description	Qualification	Training and Learning Results
Objective questions exam	Midterm exam: There will be a partial theoretical exam of the subject. The exam will consist of a test of objective questions with 5 options, without scoring negatively for incorrect answers. The percentage, with respect to the final grade, of this part will be 40% of it.	40	A1 B1 C6 D1 A2 B2 C34 D4 A5 B3 D5 B4
Systematic observation	Active participation of students to assimilate and understand the contents of the corresponding practice. Preparation and delivery of the sheets of the contents of the corresponding practice. The evaluation will be continuous taking into account the participation in the practices, the sheets delivered and the individualized oral questions that will be carried out throughout the practices.	20	A1 B1 C6 D1 A2 B2 C34 D4 A5 B3 D5 B4 D7
Objective questions exam	Final Exam: it will consist of a test of objective questions with 5 options, without scoring negatively for incorrect answers. The percentage, with respect to the final grade, of this part will be 40% of it. .	40	A1 B1 C6 D1 A2 B2 C34 D4 A5 B3 D5 B4

Other comments on the Evaluation

Continuous assessment:

A partial theoretical exam of the subject will be carried out on the last day of the theoretical classes, during their usual hours. The exam will consist of a test of objective questions with 5 options, without scoring negatively for incorrect answers. To pass this theoretical test, 70% of correct answers must be obtained, which will be the equivalent of a score of 5.

The syllabus that will enter this exam will be in two parts of the same, to be agreed between the teacher and the students.

In those cases in which the partial exam is passed, that part of the subject will be approved and the student will only have to take an exam, in the first final test, of the rest of the subject. The approval will not be saved for second and successive opportunities.

Once this partial exam has been passed, you will not be able to go to the end to raise your grade.

The percentage, with respect to the final grade, of this part will be 40% of it.

The test will last 1 hour maximum.

In those cases in which the student decides not to attend the partial exam, the final exam grade will account for 70% of the final grade.

The exam will consist of a test of objective questions with 5 options, without scoring negatively for incorrect answers. To pass this theoretical test, 70% of correct answers must be obtained, which will be the equivalent of a score of 5.

The date of this test will be designated by the Faculty Board.

For students who have attended the partial, this second exam will account for 40% of the final grade. For those students who refuse to take the partial exam, the percentage will be 80% of the final grade.

Practices:

Practices will account for 20% of the final grade.

Attendance at practices is mandatory. Those students who do not attend practices will be given a practical oral exam with anatomical pieces on the second opportunity.

The practice groups will be established according to the rules established by the Faculty Board: "The practice groups will be carried out in alphabetical order, giving preference to the choice of the group to athletes recognized by the Health and Well-being Area; students with job responsibilities or relatives, and students with partial enrollment (always proving proof)

Two absences will be allowed (due to force majeure) that must be documented justified.

At the end of each practice, the content sheets must be handed in.

The evaluation will be continuous taking into account the participation in the practices, the sheets delivered and the individualized oral questions that will be carried out throughout the practices.

The same criteria will be maintained in successive calls.

The qualifications will be published in the virtual secretary.

GLOBAL EVALUATION (waiver of continuous evaluation):

In this case, partial evaluations will not be carried out, so that in the ordinary call the students will be evaluated as follows: Theoretical evaluations: 80% (examination of objective questions with 5 options, without scoring negative for incorrect answers. To pass this theoretical test, must get 70% correct answers, which will be the equivalent of a score of 5.).

20% Practical evaluation

Students who do not want to follow the continuous assessment must notify them 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 it will assume the global evaluation established in the subject. Once the continuous evaluation has been waived, there will be no right to it, nor to the considerations established in it.

EXTRAORDINARY EVALUATION- RECOVERY:

The students who have renounced the continuous evaluation and adhere to the global evaluation will have the same evaluation percentages as in the ordinary call in the global evaluation modality.

- The suspense rating will never be higher than 4.5. Therefore, it could be the case that a student obtains a grade of 5 out of 10 or higher in the overall assessment, taking into account the percentages of the assessment tests; however, if the student

fails the theoretical or practical test separately, the grade in the global evaluation will fail.

- Students who do not want to follow the continuous assessment must notify it 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 it will assume the global evaluation established in the subject. Once the continuous evaluation has been waived, there will be no right to it, nor to the considerations established in it

.The Teaching Guide will follow the REGULATION ON THE ASSESSMENT, QUALIFICATION AND QUALITY OF TEACHING AND THE STUDENT LEARNING PROCESS (Approved in the faculty on April 18, 2023), as well as the specific adaptations for the Degree in Physiotherapy determined by the Center Board .

Sources of information

Basic Bibliography

Paulsen F.; Waschke J., Sobotta atlas de anatomía humana, 24, Elsevier, 2018, **Sobotta atlas de anatomía humana**, 24, Elsevier, 2018

Lippert H., **Anatomía con orientación Clínica para estudiantes**, Marbán,, 2013

Netter Fh., **Atlas de Anatomía Humana**, 8, Elsevier,, 2023

Netter Fh., **Cuaderno De Anatomía Para Colorear**, 3, Elsevier,, 2023

Latarjet M; Ruiz Liard A., **Anatomía Humana**, 5, Panamericana, 2019

ALAN J. DETTON, GRANT., **MANUAL DE DISECCIÓN**, 17, LIPPINCOTT WILLIAMS AND WILKINS. WOLTERS KLUWER H., 2021

Schünke M./Schulte E./Schumacher U., **Colección Prometheus. Texto y Atlas de Anatomía**, 5, Panamericana, 2022

Loukas, Benninger & Tubbs., **Gray. Guía fotográfica de disección del cuerpo humano**, 2, Elsevier, 2019

Drake R, Gray., **Anatomía para estudiantes**, 4, Elsevier, 2020

Complementary Bibliography

FAWCETT DW., **Tratado De Histología**, 12, Interamericana Mc Graw Hill,, 1995

MOORE KL., **Anatomía con orientación Clínica**, 9, Wolters Kluwer,, 2022

Plataforma 3D Complete Anatomy, Elsevier,,

Atlas de Anatomia Humana 2020 Visible Body, 2022

Recommendations

Other comments

Be registered in MOOVI (is the first time that does , the name of user and the password is the identity card). Have a direction of address-and, so every time that it give a warning, go up documentation, etc., it will communicate by this road to all users of the subject (students and professor).

IDENTIFYING DATA				
Physiology: Human physiology				
Subject	Physiology: Human physiology			
Code	P05G171V01102			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Basic education	1st	1st
Teaching language	Spanish			
Department				
Coordinator	Ferreira Faro, Lilian Rosana			
Lecturers	Ferreira Faro, Lilian Rosana Lopez Patiño, Marcos Antonio			
E-mail	lilianfaro@uvigo.es			
Web				
General description				

Training and Learning Results	
Code	
A1	Students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is usually at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.
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.
B4	Acquire basic scientific training in research.
C2	Understand the principles of biomechanics and electrophysiology, and their main applications in the field of physical therapy.
C6	Identify anatomical structures as a basis of knowledge to establish relationships dynamically with the functional organization.
C7	Know the physiological and structural changes that can occur as a result of the application of physiotherapy.
C34	To know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.
D1	Ability to communicate orally and in writing in Galician.
D2	Computer skills related to the field of study
D5	Developing leadership and organizational skills.
D7	Maintain an attitude of learning and improvement.

Expected results from this subject				
Expected results from this subject	Training and Learning Results			
New	A1		C6	
	A2		C34	
New	A1		C6	
			C34	
New	A2		C6	
New	A2		C2	
			C7	
New	A2	B1	C6	D1
		B4	C34	D2
				D5
				D7
New	A2	B1	C6	D1
		B4	C7	D2
			C34	D5
				D7
New	A2	B1	C6	D1
		B4	C7	D5
			C34	D7

New	A2	B1	C6 C34	D1 D2 D5 D7
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Contents

Topic

(*)- Fisioloxía do sistema nervioso. - Fisioloxía do sistema endócrino. - Fisioloxía do sistema cardiovascular. - Fisioloxía do sistema respiratorio. - Fisioloxía dixestiva. - Fisioloxía excretora.	(*)-Fisiología de la neurona. - Sensibilidad somática y propioceptiva. - Sensibilidad visual. - Sensibilidad auditiva y vestibular - Fisiología del músculo esquelético. - Eje hipotálamo-hipófisis. - La adenohipófisis - Tiroides y paratiroides. - Adrenales - Páncreas endocrino. - Función endocrina de las gónadas. - Fisiología del corazón. - El ciclo cardíaco. - Sistema circulatorio. - Mecánica respiratoria. - Transporte de gases. - Regulación do sistema respiratorio. - Motilidade. - Secrecións. - Digestión e absorción. - O nefron. - Mecanismos de transporte. - Función reguladora.
- Physiology of the nervous system. - Physiology of the endocrine system. - Physiology of the cardiovascular system. - Physiology of the respiratory system. - Digestive physiology. - Physiology of the excretory system.	- Physiology of the neuron. - Somatic and proprioceptive sensation. - Visual sensitivity. - Auditory and vestibular sensitivity - Skeletal muscle physiology. - Hypothalamus-pituitary axis. - The anterior pituitary - Thyroid and parathyroid. - adrenals - endocrine pancreas. - Endocrine function of the gonads. - Physiology of the heart. - The cardiac cycle. - Circulatory system. - Respiratory mechanics. - Gas transport. - Regulation of the respiratory system. - Motility. - secretions. - digestion and absorption. - The nephron. - Transport mechanisms. - Regulatory function.

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	61	92	153
Mentored work	0	28	28
Laboratory practical	17	24	41
Objective questions exam	1	0	1
Report of practices, practicum and external practices	1	0	1
Essay	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

Lecturing	Participatory theoretical classes will be taught using the available audiovisual media.
Mentored work	Work will be supervised by groups related to the subject.
Laboratory practical	Laboratory practices will be carried out on the cardiovascular and respiratory systems, as well as computer simulation practices on the nervous, muscular and endocrine systems.

Personalized assistance

Methodologies	Description
Lecturing	The personalized attention will be focused on solving any doubts that the students may have and guiding their efforts in the matter.
Laboratory practical	The personalized attention will be focused on solving doubts that the students may have and clarifying the evaluation rubric of the practical exam.
Mentored work	The personalized attention, basically, will be focused on solving doubts, guiding the work to be done in the matter, and keeping records and evaluating what the students have done.

Assessment

	Description	Qualification	Training and Learning Results
Lecturing	There will be two partial tests: Partial 1 (30% of the mark): nervous and musculoskeletal system Partial 2 (40% of the mark): endocrine, cardiovascular, respiratory, digestive and excretory systems. Each test will consist of: Objective questions (failures are penalized). The sum of the two partial test will be 70% of the grade. To pass a partial you must obtain a minimum grade of 5 (out of 10). A minimum of 4 points (out of 10) is required in each partial exam to pass the course.	70	B1 D1 D2 D5
Mentored work	The prepared topics will be sent to the responsible teacher according to the calendar. There will be a 10 minute presentation in which it will be evaluated: - Quality of the written report presented (organization, writing, adequacy of the bibliography, focus and depth adjusted to the topic). - Quality of the oral presentation (adequacy to the time, quality of information presented in figures, oral expression, ability to transmission of information, mastery of technical language). -Answers to the questions presented.	10	B1 D1 D2 D5
Laboratory practical	Asistencia y participación en todas las prácticas de la materia. Para superar la materia es obligatoria la asistencia a todas las sesiones de prácticas y la presentación de un informe individual de cada sesión.	20	B1 D1 D2 D5 D7

Other comments on the Evaluation

-CONTINUOUS ASSESSMENT: In the continuous assessment, students will carry out a partial assessment once they have completed 40% of the theoretical content and another partial assessment (60% of the content) in an ordinary call.
PARTIAL 1-Theoretical test: 30%. Contents: nervous and musculoskeletal systems. Objective questions exam: 20%. Development questions exam: 10% PARTIAL 2- Theoretical test: 40% Contents: endocrine, cardiovascular, respiratory, digestive and excretory systems. Objective questions exam: 30% Development questions exam: 10%. Total theoretical evaluations (partial 1 + partial 2): 70%. Supervised work and oral presentation: 10% Laboratory practices: 20%
To pass the subject it is necessary to carry out all the proposed activities. If you do not complete any of them, the grade will be 0 and it will be considered as such in the final grade.

To pass the subject, a minimum grade of 4 (*) is required in each of the partial exams or in the final exam.

A student will be considered not present when they have not carried out any of the activities (exam, seminar, practices) provided for in the course.

(*) In the event that the final mark in the theoretical part is less than 4, the mark obtained will be the one that appears in the course file (the marks from the rest of the activities will only be taken into account if the value is exceeded). minimum) in the theoretical exam.

GLOBAL EVALUATION (waiving continuous evaluation): In this case, partial evaluations will not be carried out, so in the ordinary call the students will be evaluated as follows: Theoretical evaluations: 70% (60% exam of objective questions and 10% exam of development questions). Work and oral test: 10% Laboratory practices: 20% Students who do not want to follow the continuous evaluation must notify it 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 it will assume the global evaluation established in the subject. Once the continuous evaluation has been waived, there will be no right to it, nor to the considerations established in it. Attendance at all practices and the delivery of individual reports is mandatory to pass the subject.

- EXTRAORDINARY EVALUATION- RECOVERY:

The activities approved in the first opportunity (remediation) of a course are maintained for the second opportunity. On the second opportunity, the practices and seminars will not be able to be recovered, only the partial exams not passed on the first opportunity can be taken.

A student will be considered not present when they have not carried out any of the activities (exam, seminar, practices) provided for in the course.

The students who have renounced the continuous evaluation and adhere to the global evaluation will have the same evaluation percentages as in the ordinary call in the global evaluation modality.

Sources of information

Basic Bibliography

Complementary Bibliography

SILVERTHORN y col., **Fisiología Humana. Un enfoque integrado**, Editorial Médica Panamericana, 4ª edición,

FOX, **Fisiología Humana**, McGraw-Hill, 10ª edición,

DVORKIN-CARDINALE, BEST&TAYLOR, **Bases fisiológicas de la práctica médica**, Editorial Médica Panamericana, 13ª edición,

FERNÁNDEZ, **Manual de laboratorio de Fisiología**, McGraw-Hill, 4ª edición,

TRESGUERRES y col., **Fisiología humana**, Interamericana, 3ª edición,

Recommendations

IDENTIFYING DATA				
Biochemistry-Physics: Biochemistry and biophysics				
Subject	Biochemistry-Physics: Biochemistry and biophysics			
Code	P05G171V01103			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	1st	1st
Teaching language	Spanish Galician			
Department				
Coordinator	Conde Sieira, Marta			
Lecturers	Blanco Imperiali, Ayelén Melisa			
E-mail	mconde@uvigo.es			
Web	http://fisioloxiapeixes.webs.uvigo.es/en/			
General description				

Training and Learning Results	
Code	
A1	Students have demonstrated possession and understanding of knowledge in an area of study that builds on the foundation of general secondary education, and is usually at a level that, while relying on advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.
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.
B3	Communicate effectively and clearly, both orally and in writing, with users of the health system as well as with other professionals.
C1	To know the principles and theories of physical agents and their applications in physical therapy.
C2	Understand the principles of biomechanics and electrophysiology, and their main applications in the field of physical therapy.
C6	Identify anatomical structures as a basis of knowledge to establish relationships dynamically with the functional organization.
C34	To know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.
D1	Ability to communicate orally and in writing in Galician.
D2	Computer skills related to the field of study
D3	Recognition of diversity and multiculturalism
D4	Creativity, entrepreneurial spirit and adaptation to new situations.
D7	Maintain an attitude of learning and improvement.

Expected results from this subject				
Expected results from this subject		Training and Learning Results		
New	A1		C1	D1
	A2		C2	
			C6	
			C34	
New	A1		C1	D1
	A2		C2	
			C6	
			C34	
New	A1		C1	D1
	A2		C2	
			C6	
			C34	
New	A2	B3	C2	D1
			C34	D2
				D3
				D4
				D7

New	A2	B3	C2 C34	D1 D2 D3 D4 D7
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Contents

Topic

I. Biochemistry	1. Carbohydrates 2. Lipids 3. Proteins and enzymes 4. Nucleic acids 5. Intermediate metabolism 6. Catabolic pathways 7. Anabolic pathways 8. Clinical biochemistry
II. Biophysics	1. Biophysics of membranes and transport processes 2. Biophysics of potentials 3. Biophysics of vision and audition 4. Muscle biophysics 5. Cardiovascular biophysics 6. Respiration biophysics 7. Biophysics of homeostasis 8. Biophysics of radiation

Planning

	Class hours	Hours outside the classroom	Total hours
Laboratory practical	10	15	25
Lecturing	39	84	123
Objective questions exam	1	0	1
Report of practices, practicum and external practices 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
Laboratory practical	Biophysics and Biochemistry laboratory practices and computer simulation of biophysical processes.
Lecturing	Theoretical, expository and participative classes using the available audiovisual media.

Personalized assistance

Methodologies	Description
Lecturing	Guidance tutorials and individual advising, which will be held at the time and place indicated at the beginning of the guide.
Laboratory practical	Guidance tutorials and individual advising, which will be held at the time and place indicated at the beginning of the guide.

Assessment

	Description	Qualification	Training and Learning Results
Laboratory practical	Laboratory practices: attendance and participation in all the practices of the subject. In order to pass the course, attendance to all the practical sessions and the presentation of an individual report of each session is mandatory.	20	D1 D2 D3 D4 D7
Lecturing	2 midterm exams: Midterm 1 (40%): Biochemistry. During class time. Midterm 2 (40%): Biophysics. In ordinary convocation. The theoretical exams are of objective questions (multiple choice). The wrongly answered questions subtract (2 wrongly subtract 1 good).	80	C6 D1 D2

Other comments on the Evaluation

- Continuous evaluation: There will be 2 partial theoretical exams (partial 1: corresponding to the biochemistry syllabus and partial 2: biophysics syllabus) that will represent 40% (each one) of the overall mark of the subject. The remaining 20% will correspond to the practical grade. Attendance to the practicals is compulsory except for students repeating the course. It will be obligatory the delivery of a report for each practical session (two sessions) that will be evaluated (20 % of the global mark of the subject). In order to pass the continuous evaluation the student must obtain more than a 4 (out of 10) in all the items (part 1, part 2 and practical sessions).

- Global evaluation: A single theoretical exam (objective questions) that will have a value of 100% in the global mark of the subject.

- Evaluation in 2nd opportunity: Students with continuous evaluation will be able to examine only the partial that they still have to pass or the whole course syllabus.

Any other criteria (e.g. class attendance) will be governed by the general and specific regulations of the University of Vigo and the Faculty of Physiotherapy.

Sources of information

Basic Bibliography

Complementary Bibliography

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DURÁN, J.E.R., **Biofísica: fundamentos e aplicações**, Prentice Hall (Sao Paulo, Brasil),

NELSON y COX., **Principios de Bioquímica de Lehninger**, Omega,

LOZANO y col, **Bioquímica y Biología Molecular en Ciencias de la Salud**, Interamericana,

Recommendations

Other comments

No specific recommendations are made

IDENTIFYING DATA				
Basics of physiotherapy				
Subject	Basics of physiotherapy			
Code	P05G171V01104			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	1st	1st
Teaching language	Spanish Galician			
Department				
Coordinator	Justo Cousiño, Lorenzo Antonio			
Lecturers	Justo Cousiño, Lorenzo Antonio			
E-mail	lorenzo.justo@uvigo.es			
Web				
General description	In the course Basics of Physiotherapy students will learn the history of the profession and its institutionalization in Spain, which will allow them to understand how physiotherapy has evolved to the present day. Likewise, they will be trained in the capacity of reflection and analysis in the method of intervention in physiotherapy, as well as the ability to understand the bases of research. It is intended that the knowledge acquired in this subject will enable the student to have a basis and a broad vision of our profession.			

Training and Learning Results	
Code	
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.
C11	Identify the concept, evolution and fundamentals of physical therapy in its scientific and professional aspects. To understand the general theory of functioning, disability and health and its international classification, as well as the models of intervention in physiotherapy and its assistance practice.
C12	To know and apply the theoretical bases and the development of physiotherapeutic methods and procedures.
C25	To understand the factors related to health and the problems related to physiotherapy in Primary Care, Specialized Care and Occupational Health.
C26	To know the Spanish Health System and the aspects related to the management of health services, mainly those in which physiotherapy is involved.
C27	Know and analyze the management processes of a physiotherapy service or unit.
C28	Know and apply quality mechanisms in the practice of physiotherapy, adjusting to the criteria, indicators and quality standards recognized and validated for the adequate professional practice.
C30	To know the professional ethical and deontological codes.
C32	Incorporate scientific research and evidence-based practice as a professional culture.
D1	Ability to communicate orally and in writing in Galician.
D2	Computer skills related to the field of study
D3	Recognition of diversity and multiculturalism

Expected results from this subject	
Expected results from this subject	Training and Learning Results

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.	B3	C11 C25 C32
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.		
C11 Identify the concept, evolution and fundamentals of physical therapy in its scientific and professional aspects. To understand the general theory of functioning, disability and health and its international classification, as well as the models of intervention in physiotherapy and its assistance practice.		
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C32 Incorporate scientific research and evidence-based practice as a professional culture.		
D1 Ability to communicate orally and in writing in Galician.		
D2 Computer skills related to the field of study		
D3 Recognition of diversity and multiculturalism		

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	C11 C30 C32	D3
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.			
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C26
C27

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.

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C30 To know the professional ethical and deontological codes.

C32 Incorporate scientific research and evidence-based practice as a professional culture.

D1 Ability to communicate orally and in writing in Galician.

D2 Computer skills related to the field of study

D3 Recognition of diversity and multiculturalism

C12

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.	B3	C12 C27
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.		
C11 Identify the concept, evolution and fundamentals of physical therapy in its scientific and professional aspects. To understand the general theory of functioning, disability and health and its international classification, as well as the models of intervention in physiotherapy and its assistance practice.		
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D2 Computer skills related to the field of study		
D3 Recognition of diversity and multiculturalism		

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.		C12
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D3 Recognition of diversity and multiculturalism	
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 C12
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D3 Recognition of diversity and multiculturalism

B3

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.	B1	D1
B2 Incorporate the ethical and legal principles of the profession into professional practice and integrate social and community aspects into decision making.	B2	D2
B3 Communicate effectively and clearly, both orally and in writing, with users of the health system as well as with other professionals.		
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D1 Ability to communicate orally and in writing in Galician.		
D2 Computer skills related to the field of study		
D3 Recognition of diversity and multiculturalism		

Contents

Topic

Evolution and historical development
 Definition of physiotherapy and health terminology
 Research models in physiotherapy
 Methods of intervention in physiotherapy
 Conceptual bases of physiotherapy
 Quality in Physiotherapy
 Quality in Physiotherapy

Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	2	0	2
Lecturing	36	63	99
Mentored work	0	29	29
Presentation	0	10	10
Essay questions exam	1	0	1
Presentation	6	0	6
Problem and/or exercise solving	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

	Description
Introductory activities	Activities aimed at making contact with and gathering information about the students, as well as presenting the subject.
Lecturing	Theoretical classes will be participative and will use didactic consultation, discussion, case studies and problem solving strategies. and problem-solving strategies
Mentored work	Students will be required to prepare, present and defend a paper and several complementary activities of the course. Each group will do a paper on a specific topic agreed with the teacher and will perform the requested activities.
Presentation	Presentation by the students before the teacher and the students of the tutored work and the different activities carried out in the activities carried out in the course.

Personalized assistance

Methodologies Description

Lecturing	Guidance tutorials and individual counseling. There will be 6 hours of tutoring per week. They will be held at the time and place indicated in the guide, upon request to the teacher for better organization. They can also be carried out by e-mail to the address of the professor who teaches the subject as well as through the campus. the subject as well as through the remote campus.
Mentored work	They will be held on the date that appears in the subject's schedule and doubts about the subject will be solved during tutorials will be solved during tutorials
Presentation	They will be held on the date that appears in the subject's schedule and doubts about the subject will be solved during tutorials will be solved during tutorials

Assessment

	Description	Qualification	Training and Learning Results		
Essay questions exam	The students will be evaluated on all the contents taught in the subject by means of an examination of development questions. To pass the subject it is necessary to pass the theoretical exam (obtain a 5 out of 10). All the contents addressed in the classroom can be object of evaluation in this exam	40	B2 B3	C11 C12 C25 C26 C27 C28 C30 C32	D3
Presentation	The approach and development of the work of the subject, as well as its writing and use of sources bibliographic The presentation of the works in audiovisual media, their exposure and defense. Each activity will have a specific percentage of the evaluation assigned by the teacher.	30	B1 B2		D1 D2

Problem and/or exercise solving	Throughout the four-month period, various seminars, activities, , conferences,... that will be evaluated by means of diverse exercises and problem solving.	30	B1 B2	D1 D2
	Most of the different activities will be carried out in the classroom. in the classroom, so continuous attendance to the classes is required. the classes.			
	This activity/methodology does not have an eliminatory character.			
	This activity/methodology is not eliminatory.			

Other comments on the Evaluation

-CONTINUOUS EVALUATION:

In the continuous evaluation modality the evaluation percentages are:

- Exam of development questions: 40%.
- Presentation: 30%. Of obligatory character.
- Solution of problems and/or exercises: 30%.

To pass the subject the student must: obtain at least a 5 out of 10 in the theoretical exam in order to pass the subject, must make the corresponding presentations and the overall grade must be higher than 5 considering the different evaluation percentages.

The completion of the work is mandatory, as well as its presentation and defense.

The different activities of problem solving and / or exercises are not eliminatory and each activity will be assigned the corresponding percentage of evaluation.

In the continuous evaluation it is not compulsory to attend class, but the presentation of the work is compulsory (absence is a reason for failure).

-GLOBAL EVALUATION (waiver of continuous evaluation):

In this case there will be no problem solving and / or exercises, so in ordinary call the students will be evaluated as follows:

- Exam of development questions: 70%.
- Presentation and work and oral test: 30%.

Students who do not wish to follow the continuous evaluation must notify in writing following the procedure established by the Faculty of Physiotherapy. The waiver to the continuous evaluation must be made 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.

-EXTRAORDINARY EVALUATION -RECOVERY:

Students who have waived the continuous evaluation and adhere to the global evaluation will have the same evaluation percentages as in the ordinary call in global evaluation mode.

Students who have failed the subject in continuous evaluation for not achieving a 5 out of 10 in the theoretical exam (developmental questions exam), should only be evaluated in that exam, since the rest of the grades are preserved. Therefore, the same criteria established for the continuous evaluation are preserved.

Although in the extraordinary call the grades of the work and defense are preserved, in case it is necessary to recover the work and the defense, the students will be asked to carry out an adapted work with the same percentage of evaluation.

Other considerations:

The defense (exposition of the work-oral test) will take place during theoretical teaching hours on the day or days assigned in the course schedule.

Regardless of the average grade obtained in the evaluation tests, if the minimum requirements previously mentioned are

not met, the grade obtained will be SUSPENDED.

The failing grade will never be higher than 4.5.

Therefore, it could be the case that a student obtains in the global evaluation, taking into account the percentages of the evaluation tests, a grade of 5 out of 10 or higher; however, if the student has failed the written exam, the grade in the global evaluation will be a fail.

The evaluation systems described in this Teaching Guide are sensitive both to the evaluation of the competences and to the contents of the course.

The realization of the work is compulsory and its evaluation will be carried out through the practices/tutorials established in the programming of the subject and in the presentation and defense of the same. All the activities requested by the professor requested by the professor within the work.

The presence of spelling mistakes in papers or written tests may lead to a failing grade.

The Teaching Guide will follow the "REGULAMENTO SOBRE A AVALIAÇÃO, A CALIFICAÇÃO E A CALIDADE DA DOCENCIA E DO PROCESSO DE APRENDIZAXE 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.

Sources of information

Basic Bibliography

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Recommendations

Subjects that continue the syllabus

Public health and community physiotherapy/P05G171V01207

IDENTIFYING DATA				
Physiology: Functional movement in physiotherapy				
Subject	Physiology: Functional movement in physiotherapy			
Code	P05G171V01105			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Basic education	1st	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	Justo Cousiño, Lorenzo Antonio			
Lecturers	Justo Cousiño, Lorenzo Antonio			
E-mail	lorenzo.justo@uvigo.es			
Web	http://http://fisioterapia.uvigo.es/gl/			
General description	<p>In the subject Functional Movement in Physical Therapy, the human body will be studied from a functional and dynamic point of view, taking as a starting point the static analysis provided by Anatomy. Therefore, a general perspective of Biomechanics applied to the human body will be provided.</p> <p>Biomechanics is the science that studies internal and external forces, and how they affect the human body from a multidisciplinary approach, taking as a reference Anatomy and Mechanics (part of Physics that studies the movement of bodies and their responses to forces). Therefore, Biomechanics can be considered the convergence between Classical Mechanics and Life Sciences.</p> <p>In this course, students will learn the basic aspects of biomechanics and movement analysis, study the behavior of biological tissues under different forces, as well as the segmental joint physiology of the human body.</p> <p>It is intended that the student acquires the necessary knowledge about the functioning of the locomotor system and the influence that can exert the different forces to which the organic tissues are subjected.</p>			

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.
C2	Understand the principles of biomechanics and electrophysiology, and their main applications in the field of physical therapy.
C6	Identify anatomical structures as a basis of knowledge to establish relationships dynamically with the functional organization.
C12	To know and apply the theoretical bases and the development of physiotherapeutic methods and procedures.
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.
C15	Understand ergonomic and anthropometric principles.
C31	Know the structure of the human body and identify structural elements and alterations of normality in the different methods of analysis and diagnosis through imaging.
C34	To know and understand the morphology, physiology, pathology and behavior of people, both healthy and sick, in the natural and social environment.
C35	To know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.
D2	Computer skills related to the field of study
D5	Developing leadership and organizational skills.

Expected results from this subject	
Expected results from this subject	Training and Learning Results
Know the bases *elementáis of the *biomecámica	C2 C15 C35
Identify the guidelines for the analysis of the human movements	C6 C12 C15 C35

Know to laws of the movement, strengths, crowbars and pulleys and his application in Physiotherapy	C2 C12 C15		
Define the concept of elasticity, *viscoelasticidade and his practical application in physiotherapy	C2 C12 C15 C35		
Identify the mechanical properties of the bone	C6 C34		
Describe the articular mechanics and his application in Physiotherapy	C2 C12 C15 C35		
Identify the mechanical properties of the muscular contraction	C6 C34		
Identify the repercussion of the distinct types of muscular activity and his application in the Physiotherapy	C2 C6 C12 C13 C15		
Describe and *correlacionar the segmentary analysis, of the movements of the human body	C2 C12 C15 C31 C35		
Analyse the *biomecânica basic of a determinate gesture	A2 C2 C12 C15 C31 C35	D2 D5	

Contents

Topic	
1. Physical basis of biomechanics and kinesiological analysis of movement.	1. Introduction to Biomechanics. 2. Basic concepts of Biomechanics. 3. Kinesiological analysis of movement.
2. Biomechanics of organic tissues.	1. Biomechanics of bone. 2. Biomechanics of the joints. 3. Muscle biomechanics.
3. Joint and muscular biomechanics of the trunk.	1. Biomechanics of the spine as a whole. 2. Biomechanics of the pelvic girdle. 3. Biomechanics of the lumbar spine. 4. Biomechanics of the thoracic spine. 5. Biomechanics of the cervical spine and temporomandibular joint.
4. Joint and muscle biomechanics of the upper extremity.	1. Biomechanics of the shoulder joint complex. 2. Biomechanics of the elbow and pronation. 3. Biomechanics of the wrist and hand.
5. Joint and muscle biomechanics of the lower extremity.	1. Biomechanics of the hip. 2. Biomechanics of the knee. 3. Biomechanics of the ankle and foot. 4. Biomechanics of gait.
Practical contents	Basic experiments in Biomechanics. Gesture analysis..

Planning

	Class hours	Hours outside the classroom	Total hours
Introductory activities	1	0	1
Lecturing	48	120	168
Mentored work	1	3	4
Laboratory practical	8	23	31
Presentation	1	3	4
Autonomous problem solving	2	7	9
Collaborative Learning	1	2	3
Essay questions exam	1	0	1
Essay	2	0	2
Laboratory practice	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 directed to take contact and gather information on the students, as well as to present the matter.
Lecturing	The theoretical classes will be participatory and will use the didactic query, debate, study of cases and strategies of resolution of problems. The students will have to his disposal in the platform Fear the notes elaborated by the/the professor/to, that will serve him of guide.
Mentored work	The students will have to elaborate a work, where will do an analysis *biomecánico basic of the human body on a filming in video that has to make the own students. Each group, in accordance with the/the professor/to, will do the work with a specific orientation on the subject and will use the platform Fear.
Laboratory practical	Activities of application of the knowledges to concrete situations and of acquisition of basic skills and procedures related with the matter object of study. They develop in space spaces with skilled equipment. It will use the experimental demonstration, the strategy of simulation, the didactic treatment of errors and the systematic training.
Presentation	Exhibition with audiovisual means by part of the students, in front of the educational and the other students, of the work *tutelado.
Autonomous problem solving	The students will have to solve situations of the real life with his own strategies through the knowledge, the investigation and the reflection.
Collaborative Learning	In the theoretical classes will develop a methodology of learning *colaborativo, where the different subjects will see through activities made in group, facilitating the development of an active participation of the students.

Personalized assistance

Methodologies	Description
Collaborative Learning	The orientation and mentoring of the collaborative learning activity will be done in large group tutoring.
Mentored work	Students must send an e-mail request indicating "Tutorials" in the subject line. The teacher will indicate the date and time of the tutorial.
Laboratory practical	Students should send an e-mail request indicating "Tutorials" in the subject line. The teacher will indicate the date and time of the tutorial.
Lecturing	Students should send an e-mail request indicating "Tutorials" in the subject line. The teacher will indicate the date and time of the tutorial.
Presentation	The orientation and advice for the exhibition and presentation of the works will make in small group tutoring.
Autonomous problem solving	The students will have to request the *tutoría by means of an email, indicating in the subject "Tutorials", and the/the educational will indicate him the date and hour of the same.
Introductory activities	The orientation and advice of the introductory activities will make in of big group tutoring.

Assessment

	Description	Qualification	Training and Learning Results
Essay questions exam	A score of 5 out of 10 must be obtained to pass the examination. The examination of developmental questions and the examination of objective questions must be passed independently.	35	C2 D2 C6 C12 C13 C15 C31 C34 C35
Essay	The completion, attendance to tutorials, exposition and defense of the work is mandatory. The participation in the tutorials, the formulation and analysis of the work, as well as its writing and the use of bibliographic sources will be valued. Failure to complete the work or the corresponding defense will result in failing the course.	15	C12 D2 C15 C31 C34 C35

Laboratory practice	Students will demonstrate the application of the theoretical fundamentals of the subject. It is mandatory to attend the practices of the course to pass them. Failure to attend 50% of the practices will result in failing the course. All absences must be duly justified and due to force majeure. In order to pass the subject, the documentation requested by the teacher related to the internship must be completed and submitted. The minimum score to pass the internship must be 5 out of 10. A score of 5 out of 10 must be obtained to pass the examination.	15	A2 C12 C13 C34 C35	D2 D5
Objective questions exam	In order to pass the subject, the documentation requested by the teacher related to the internship must be completed and submitted. The minimum score to pass the internship must be 5 out of 10. A score of 5 out of 10 must be obtained to pass the examination. This type of exam includes closed questions with different answer alternatives (true/false, multiple choice, matching of elements, etc.). The examination of developmental questions and the examination of objective questions must be passed independently. Incorrect questions will be penalized.	35	C2 C6 C12 C13 C15 C31 C34 C35	D2

Other comments on the Evaluation

-CONTINUOUS EVALUATION:

In the continuous evaluation, students will take a partial evaluation once half of the theoretical contents have been completed and another partial evaluation in the ordinary exam.

1- Written tests (theoretical): 35%.

Contents: Physical basis of biomechanics and kinesiological analysis of movement. Biomechanics of organic tissues. Examination of objective questions: 17,5 %.

Developmental questions exam: 17.5%.

2- Written tests (theoretical): 35 %.

Contents: articular and muscular biomechanics of the trunk, upper extremity and lower extremity. Examination of objective questions: 17.5%.

Developmental question exam: 17.5%.

Total theoretical evaluations (part 1 + part 2): 70%. Work and

oral test: 15%.

Laboratory practices: 15%.

-GLOBAL ASSESSMENT (waiver of continuous assessment):

In this case, no partial evaluations will be carried out, so in the ordinary call the students will be evaluated as follows:

Theoretical evaluations: 70% (35% exam of objective questions and 35% exam of development questions). Both exams (objective questions and developmental questions) must be passed independently.

Work and oral test: 15% Laboratory practice: 15% Laboratory practice: 15% Laboratory practice:

15% Laboratory practice: 15% Laboratory practice: 15% Laboratory practice: 15% Laboratory practice:

15% Laboratory practice: 15%

Students who do not wish to follow the continuous evaluation must notify in writing following the procedure established by the Faculty of Physiotherapy. The waiver to the continuous evaluation must be made 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.

- EXTRAORDINARY EVALUATION - RECOVERY:

Students who have waived the continuous evaluation and adhere to the global evaluation will have the same evaluation percentages as in the ordinary call in global evaluation mode.

Students who in continuous evaluation have passed one of the partial exams (partial 1 or partial 2) in extraordinary evaluation will only have to take the exam of the partial not passed. In order to pass the subject it will be necessary to pass the exam of objective questions and the exam of development questions independently. Therefore, all the requirements of ordinary evaluation in continuous mode must be fulfilled. In case of not passing any of the written exams (exam of objective questions or developmental exam) the subject will be failed and there will be no average between evaluations, nor between partial exams.

Students who have failed the two partial evaluations in continuous evaluation will have the same percentages and criteria in extraordinary evaluation as the students in global evaluation, as described below:

Theoretical evaluations: 70% (35% exam of objective questions and 35% exam of development questions). Both must be passed independently.

Description of the tests and requirements to pass the subject:

-The written tests (in all evaluations) will consist of two examinations: an exam of objective questions and an exam of developmental questions; both will take place in the same evaluation session.

The written tests may include multiple-choice exercises, true/false exercises, item matching exercises, sentence completion exercises, response exercises with a specific term, resolution of clinical cases or interpretation of an image/graph, as well as other activities that have been developed throughout the course.

Likewise, concepts of different topics can be evaluated in the same statement to check the assimilation of contents by the students.

To pass the written tests (in all the evaluations) it is necessary to achieve a minimum of 5 out of 10 in each of the parts (to achieve a 5 out of 10 in the exam of objective questions and to achieve a 5 out of 10 in the exam of developmental questions).

In all evaluations in the examination of objective questions there will be a penalty for wrong answers: each wrong answer subtracts half the value of a correct answer, so that two wrong answers penalize the value of a correct answer.

In the case of not reaching 5 out of 10 in the exam of objective questions, the grade of the corresponding written test will be the one obtained in this part. If the objective part is passed and the objective exam is not passed, the grade of the corresponding written exam will be the one obtained in this part.

developmental questions the grade of the written test will be of the latter part.

In order to pass the course in ordinary exams, the two partial exams must be passed independently. In addition, work must be done and its corresponding defense/oral exam. Attendance to the practice is mandatory (in case of not attending 50% of the practices and/or not handing in the corresponding material, the subject will not be passed). So, if the first partial exam is passed, but the second partial exam is not passed, the student must take the corresponding partial exam in the extraordinary evaluation.

In case of not passing the first partial examination (grade equal to or higher than 5 out of 10 in each of the exams: exam of objective questions and exam of development questions) the student must take the exam of all the thematic blocks in the ordinary exam. In this case, the same evaluation criteria are followed as in the partial examinations with the same evaluation percentages (therefore the exam would be formed by two exams of objective questions and two exams of developmental questions; all of them must be passed independently).

-The work and oral test will be only one. The grade obtained in this test will represent 15% of the final grade and its completion is mandatory. In addition, it is necessary to perform a correct development of the tutorials, especially delivery of the requested material on time. All students must be present during the oral test of the rest of the classmates, since the teacher may request a critical evaluation of the rest of the work. In case of not following the guidelines set by the teacher or not showing up for the oral test, the student will not get a score in this section and will fail the course. In case of not signing up to form a workgroup, it will be considered that the student will not take the oral test and the score in this section will be zero (0).

Summary of minimum requirements to pass the course in the regular exam (ALL requirements must be met):

Grade equal to or higher than 5 (out of 10) in the theoretical tests, being mandatory to pass each of the exams independently (reaching a 5 out of 10 in the exam of objective questions and reaching a 5 out of 10 in the exam of development questions). The partial evaluations must be passed independently.

The overall grade must be equal to or higher than 5 (out of 10), considering the percentages that correspond to each evaluation system.

Evaluation dates:

The partial exam 1 will be held during theory teaching hours with a maximum duration of 1 hour on the date set out in the course schedule (once the thematic blocks that are evaluated in this partial exam have been completed), in case of not passing this partial exam, all the thematic blocks must be examined in the ordinary examination in June.

The written tests of part 2 will take place on the dates indicated in the ordinary June exams. If the student passes part 1, he/she will be examined only on the corresponding thematic blocks (if he/she does not pass part 1, he/she will have to take the entire course).

The presentation of the oral work-test will take place during theory teaching hours on the day assigned in the course schedule.

Regardless of the average grade obtained in the evaluation tests, if the minimum requirements previously exposed are not met, the grade obtained will be SUSPENDED. The final grade of the students who have not passed one of the theoretical tests will be the grade obtained in the failed part.

The failing grade will never be higher than 4.5.

Therefore, it could be the case that a student obtains in the global evaluation, taking into account the percentages of the evaluation tests, a grade of 5 out of 10 or higher; however, if the student has failed any written exam (exam of objective questions and exam of developmental questions) separately, the grade in the global evaluation will be a fail.

In all written examinations (partial, ordinary and ordinary exams), if the objective test is not passed, the grade that will appear in the minutes will be the grade of said test (or the average of the objective tests); no average will be taken with the rest of the evaluations (the grade will be directly that of the objective tests).

Other considerations:

The evaluation systems described in this Teaching Guide are sensitive both to the evaluation of the competencies and to the contents of the course.

The realization of the work is mandatory and its evaluation will be made through the practices/tutorials established in the programming of the subject and in the presentation and defense of the same. All the work activities requested by the teacher must be carried out, as well as the collaborative activity (failure to do so will result in the corresponding penalty).

The presence of spelling mistakes in papers or written tests may lead to a failing grade.

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

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Complementary Bibliography

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Recommendations

Subjects that are recommended to be taken simultaneously

Physiotherapy evaluation/P05G171V01108

Subjects that it is recommended to have taken before

Human anatomy: Medical-surgical conditions/P05G171V01107

Biochemistry-Physics: Biochemistry and biophysics/P05G171V01103

Physiology: Human physiology/P05G171V01102

IDENTIFYING DATA				
Psychology: Applications in health sciences				
Subject	Psychology: Applications in health sciences			
Code	P05G171V01106			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	1st	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	Fariña Rivera, Francisca			
Lecturers	Fariña Rivera, Francisca			
E-mail	francisca@uvigo.es			
Web	http://webs.uvigo.es/francisca/			
General description	This subject will show, of way very general, that is the Psychology and that can attach him to the *fisioterapeuta. Devoting special attention to the basic psychological processes and *psicosociais.			

Training and Learning Results	
Code	
B2	Incorporate the ethical and legal principles of the profession into professional practice and integrate social and community aspects into decision making.
B4	Acquire basic scientific training in research.
C1	To know the principles and theories of physical agents and their applications in physical therapy.
C8	Recognize life-threatening situations and know how to perform basic and advanced life support maneuvers.
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.

Expected results from this subject		
Expected results from this subject	Training and Learning Results	
New	B4	C1 C8
New	B2	C9

Contents	
Topic	
Introduction to the Psychology	¿That studies the Psychology? General concepts of the Main psychology paradigms of the Psychology.
Psychological processes that affect the human learning	Basic psychological processes: Feeling-Perception Perception of the pain Attention. Memory Language and communication *interpersoal Learning *Condicionamento classic. *Condicionamento Instrumental. Cognitive learning.
Psychological and Social aspects within the scope of the health	Motivation-emotion, anxiety and tension Disorders of behaviour familiar Violence and violence of gender, *afectación in the Determinant health *psicosociais in the behaviour health/illness Relation go in the professional of the health and the patient To physiotherapy how multidisciplinary intervention

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	14	20	34
Presentation	2	25	27

Mentored work	18	0	18
Portfolio/dossier	0	24	24
Introductory activities	2	0	2
Practices through ICT	12	5	17
Objective questions exam	1	0	1
Report of practices, practicum and external practices	1	26	27

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

Methodologies	
	Description
Lecturing	The teaching staff does a theoretical introduction to the subject to treat in the classroom, of way *expositiva, accompanying of materials and practical that facilitate the learning and *internalización of the contained object of study.
Presentation	The students will have to do in group a work envelope any subject of the subject, that will be established pole teaching staff. All the students owe to do an exhibition of the his work in the classroom.
Mentored work	The teaching staff will explain the general objective of the work, besides will review and will supervise of continuous and progressive form in the seminars his development
Portfolio/dossier	The teaching staff will explain the characteristics that owes to contain the dossier that present the students, valuing that it take care the format and structure of the work.
Introductory activities	Exhibition envelope the development of the subject along the *cuadrimestre, as well as the contents of this.
Practices through ICT	(*)Analízase e discuten material audiovisual que abordan conceptos ou teorías da materia. O estudante debe entregar un dossier de cada un dos temas da materia.

Personalized assistance	
Methodologies	Description
Lecturing	The students will be able to take part it the @longo of the sessions *maxistrais, to consult or attach any information of interest with the was afraid was working .
Mentored work	So much in the seminars how in the *titoría *grupal and the works *tutelados, the students will receive an attention customized, centered in solving all the doubts that can have. Besides, it will employ to carry the corresponding registers of the effort and *dedicación that realize each student, as well as of the knowledge purchased along the process of teaching learning.
Practices through ICT	

Assessment				
	Description	Qualification	Training and Learning Results	
Practices through ICT	It will analyse and it will argue the audiovisual material that tackle concepts or theories of the matter. The student has to deliver a dossier of each one of the subjects of the matter.	30	B2	C9
Objective questions exam	Carry a proof type test to evaluate the theoretical contents.	40	B4	C1 C8
Report of practices, practicum and external practices	The students will have to deliver and expose a work, that will do in group	30	B2 B4	C1 C8 C9

Other comments on the Evaluation	
<p>The qualification of the suspense never will be upper to 4,5. Therefore, it could give the case that a student/to obtain in the global evaluation, taking into account the percentages of the proofs of evaluation, a qualification of 5 on 10 or upper; nevertheless, if the student has fail the proof of examination of objective questions separately, the qualification in the global evaluation will be of suspense.</p> <p>- The students that do not want to follow the continuous evaluation will have to notify it by writing following the procedure that establish the Physiotherapy Faculty. The renunciation to the continuous evaluation has to make in the 5ª week of teaching, what supposes that it will assume the global evaluation established in the subject. Once renounced to the continuous evaluation will not have right to the same, neither to the considerations that in her establish .</p> <p>The Teaching Guide will follow the [REGULAMENTO SOBRE A AVALIAÇÃO, A CALIFICAÇÃO E A CALIDADE DA DOCENCIA E DO PROCESSO DE APRENDIZAXE DO ESTUDANTADO] (Approved in the "Clautro" of the 18 April 202), as well as the specific adaptations for the Degree in determinate Physiotherapy in Junta of Centre.</p> <p>-When the student make the CONTINUOUS EVALUATION will have to present to the examination of objective proof (40% of the qualification) and the dosier of the practices made with support of the TIC (30% of the qualification), equally will have to make and deliver a work grupal and expose it (30% of the qualification)</p> <p>-GLOBAL EVALUATION (renunciation to continuous evaluation): it will have to make an examination of objective questions</p>	

that will suppose 100% of the qualification -EXTRAORDINARY EVALUATION- RECOVERY. In July will have to examine of the contents and skills that did not arrive to surpass in the announcement of June, when conserving the qualification of the competitions purchased. The extraordinary evaluation will carry out by means of an examination of objective questions that will suppose 100% of the qualification.

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Recommendations

Other comments

Recommend:

1.-Read, previously the explanation of the educational, the material of the subject that goes to treat in the session

*magistral; to be the case, have to annotate the doubts to resolve them in the session *magistral.

2.-Participate actively in the masterclasses, posing questions on the subjects treated.

3.-Pose him to the professor all the questions/consult that it consider necessary to comprise the contents explained in the sessions *magistrales, as well as the procedures involved in the unroll of the works assigned by the educational

IDENTIFYING DATA				
Human anatomy: Medical-surgical conditions				
Subject	Human anatomy: Medical-surgical conditions			
Code	P05G171V01107			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	9	Basic education	1st	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	Maceiras García, María Lourdes			
Lecturers	Maceiras García, María Lourdes			
E-mail	lurdesmg@uvigo.es			
Web	http://mpsp.webs.uvigo.es			
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.
C8	Recognize life-threatening situations and know how to perform basic and advanced life support maneuvers.
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.
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.
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.
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.

Expected results from this subject				
Expected results from this subject		Training and Learning Results		
New	A2	C3 C9 C13 C21 C34 C38		
New	A2	C3 C9 C13 C34 C38	D1 D7	
New	A2	B1 C3 C9 C13 C34 C37 C38	D1	

New	A2		C3 C9 C21 C34 C38	D1 D7
New	A2		C21 C34 C38	D7
New	A2	B1	C3 C9 C13 C21 C34	D7
New	A2	B1	C3 C34 C38	D1 D7
New	A2	B1	C3 C8 C9 C13 C34 C38	D1 D7

Contents

Topic	
UNIT I	MEDICAL ILLNESS
General concepts.	Historical evolution of diseases. Differential elements of diseases. Relations between pathology and clinic.
Agents that affect the organism globally producing diseases.	Physical agents. Chemical substances. live agents. Endogenous factors of the disease. Forms of nonspecific reaction. Immunological mechanisms of the disease. Cell injury and death. Neoplasms. Aging.
Locomotive apparatus.	Functions. Affections of the skeletal striated musculature. Woven bone; quantitative and qualitative conditions of bone remodeling. joints; inflammatory arthropathies; degenerative arthropathies.
Kidneys and urinary tract.	Functions. manifestations of these diseases. Kidney affections; acute and chronic insufficiencies. Urinary tract affections.
Blood and hematopoietic organs.	Functions. Affections of the red series. Affections of the white series. Diseases of the lymphoid organs. Hemostasis disorders.
Endocrine system.	Functions. Affections of the hypothalamic-pituitary axis. Thyroid conditions. Affections of the adrenal glands. Gonad affections. Affections of the parathyroid glands.
Metabolism.	Functions. Carbohydrate metabolism disorders. Disorders of lipid metabolism. Disorders of protein and amino acid metabolism. Trace elements. Hydrosaline balance. Acid-base balance. Nutrition.
UNIT II	SURGICAL ILLNESS
INTRODUCTION TO SURGICAL DISEASES.	- Pain in the locomotor system. - Inflammation. - Secondary general reaction.
BASIC SURGICAL DISEASES.	- Wounds. Asepsis. - Crushing syndrome. - Burns. - Surgical infections. - Oncologic surgery. - Anesthesia. - Auxiliary diagnostic methods. - Complications of surgery.
PERIPHERAL NERVOUS SYSTEM.	- Structure and function of the peripheral nervous system. - Aggression, regeneration and degeneration. - Compression syndromes.
MUSCLE PATHOPHYSIOLOGY.	- Physiology, muscle repair. - Trauma. Tumors. Arthrogryposis. - Compartment syndrome. - Pediatric neuromuscular pathology. - Tendons. - Ligaments.

BONE.	<ul style="list-style-type: none"> - Bone organization. - Fractures. complications. - Bone infections. - Bone diseases. - Tumors and pseudotumoral lesions.
JOINTS.	<ul style="list-style-type: none"> - Trauma. Dislocations. sprains. - Rigidity and ankylosis. - Joint infections. - Osteoarthritis surgery. - Intra-articular free bodies. - Neuropathic arthropathy.
INJURIES, AMPUTATIONS / REIMPLANTS / PROSTHESIS.	<ul style="list-style-type: none"> - Polytraumatized. ATLAS. - Protocol of action with injured. - Shock. - Amputations. - Replantations. - Prosthesis. - Orthotics.
LOCOMOTOR SYSTEM SURGERY.	<ul style="list-style-type: none"> - Arthroscopy. - Osteosynthesis. - Minimally invasive surgery. - Joint implants. - Robotic surgery and navigation.
THORACIC SURGICAL DISEASES.	<ul style="list-style-type: none"> - Heart surgery. - Thoracic surgery. - Mother.
ABDOMINAL SURGICAL DISEASES.	<ul style="list-style-type: none"> - Abdominal wall. - Digestive. - Urology. - Gynecology and Obstetrics.
VASCULAR SURGICAL DISEASES.	<ul style="list-style-type: none"> - Arterial. - Venous. Thrombosis.
NEUROSURGICAL AND ENDOCRINE DISEASES.	<ul style="list-style-type: none"> - Neurosurgery. - Endocrine surgery.
SEMINARS A. Medical:	<ul style="list-style-type: none"> - First aid and life support; cardiopulmonary resuscitation (CPR) (1). - First aid and life support; cardiopulmonary resuscitation (CPR) (2). - Neoplasms. - Aging.
SEMINARS A. Surgical:	PRACTICE Nº1: PAIN, INFLAMMATION AND WOUNDS. PRACTICE Nº2: NEUROLOGICAL AND MUSCULAR INJURIES. PRACTICE Nº3: FRACTURES. PRACTICE Nº4: PROSTHESIS AND INJURIES. PRACTICE Nº5: CARDIAC AND THORACIC SURGERY. PRACTICE Nº6: ABDOMINAL SURGERY AND OBESITY.

Planning			
	Class hours	Hours outside the classroom	Total hours
Introductory activities	2	0	2
Seminars	24	40	64
Lecturing	52	105	157
Objective questions exam	2	0	2

*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.
Seminars	They will consist of practices, clinical cases, 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. There will also be a folder: a compilation of the students' work with the aim of showing their efforts, progress and achievements in the matter. They will be used as a complement to the theoretical classes.

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.
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Personalized assistance

Methodologies	Description
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, being 6 hours a week. 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.
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.
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, being 6 hours a week. 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
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 Moovi. In some seminars, written questions will be asked that must be answered in them.	20	B1 D1
Lecturing Theoretical knowledge: Medical Unit: 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. Surgical Unit: 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	B1 C38 D1

Other comments on the Evaluation

This matter consists of two units: Unit I: Medical Conditions and Unit II: Surgical Conditions. The evaluation will be made of each unit separately, being necessary, in order to pass the subject, to pass the two units independently; and, within them, each of its parts: theory and seminars, also independently.

Medical Unit: the theoretical knowledge exam will count for 40% and the seminars for 10%.

Surgical Unit: the theoretical knowledge exam will count for 40% and the seminars for 10%.

The final mark will be the average of the two units, if both are approved or failed. If only one unit, or part of it, is passed, that pass will be kept within the same academic year (until July) but not from one course to the next, and the mark will be that of

the failed part.

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: it will count for 40% of the final grade: 20% for the Medical Unit and 20% for the Surgical Unit; 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: 40% of the final grade will count: 20% from the Medical Unit and 20% from the Surgical Unit.

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

GLOBAL ASSESSMENT (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: 40% for the Medical Unit and 40% for the Surgical Unit. To this score will be added 20% of the mark of the seminars, evaluated as explained in the upper section.

2nd CHANCE ASSESSMENT: 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.

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

Recommendations

Subjects that continue the syllabus

Human anatomy: Medical conditions/P05G171V01201

Human anatomy: Surgical conditions/P05G171V01202

Physiotherapy in lymphedema/P05G171V01310

Subjects that are recommended to be taken simultaneously

Human anatomy: Human anatomy/P05G171V01101

Biochemistry-Physics: Biochemistry and biophysics/P05G171V01103

Physiology: Human physiology/P05G171V01102

IDENTIFYING DATA				
Physiotherapy evaluation				
Subject	Physiotherapy evaluation			
Code	P05G171V01108			
Study programme	Grado en Fisioterapia			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	1st	2nd
Teaching language	Spanish			
Department				
Coordinator	Lantarón Caeiro, Eva María			
Lecturers	Lantarón Caeiro, Eva María			
E-mail	evalantaron@uvigo.es			
Web				
General description				

Training and Learning Results	
Code	
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.
C11	Identify the concept, evolution and fundamentals of physical therapy in its scientific and professional aspects. To understand the general theory of functioning, disability and health and its international classification, as well as the models of intervention in physiotherapy and its assistance practice.
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.
C14	Understand and apply the manual and instrumental methods and procedures of assessment in Physical Therapy and Physical Rehabilitation, as well as the scientific evaluation of their usefulness and effectiveness.
C15	Understand ergonomic and anthropometric principles.
C16	Analyze, program and apply movement as a therapeutic measure, promoting the participation of the patient/user in the process.
C35	To know and understand the sciences, models, techniques and instruments on which physiotherapy is based, articulated and developed.
D2	Computer skills related to the field of study
D7	Maintain an attitude of learning and improvement.

Expected results from this subject			
Expected results from this subject	Training and Learning Results		
New		C14 C35	
New	B2 B3	C11 C13 C14	
New	B2 B3	C3 C13 C14 C35	
New		C35	
New	B2	C3 C13 C14 C15 C16 C35	
New	B2	C13 C14 C15 C35	D2 D7
New	B2 B3	C14	D2 D7

Contents	
Topic	
General assessment procedures in Physiotherapy (*)	
Assessment procedures in Physiotherapy	(*)
Method of registration	(*)
Clinical Interviewing. Practical Strategies.	(*)
Manual topographic examination	(*)
Postural assessment	(*)
Symptom assessment	(*)
Soft tissue assessment. Cutaneous and subcutaneous tissue.	(*)
Joint assessment	(*)
Muscle assessment	(*)
Anthropometric assessment	(*)

Planning			
	Class hours	Hours outside the classroom	Total hours
Introductory activities	1	0	1
Lecturing	16	28	44
Laboratory practical	22	12	34
Autonomous problem solving	0	6	6
Case studies	1	0	1
Problem solving	2	5	7
Mentored work	1	16	17
Presentation	1	2	3
Objective questions exam	1	15	16
Simulation or Role Playing	1	1	2
Essay	3	16	19

*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 introducing the subject.
Lecturing	Presentation by the teacher of the contents of the subject. New information and communication technologies will be used for the development of the classes, which will be participative and will use didactic consultation, debate and case studies and problem solving strategies.
Laboratory practical	Activities of application of the knowledge to concrete situations and of acquisition of basic skills and procedementais related to the and procedural skills related to the subject of study. They are developed in special spaces with specialized equipment. Experimental demonstration, simulation strategy, didactic treatment of errors and systematic training will be used. The teacher will demonstrate how the assessment should be performed. Then the students will perform the practice in pairs, being corrected by the teacher and clarifying any doubts that may arise.
Autonomous problem solving	The students will review videos of muscle assessment, having to identify errors in the execution of each of the tests, by means of a rubric.
Case studies	Students must solve real life situations with their own strategies through knowledge, research and reflection.
Problem solving	Students must solve real life situations with their own strategies through knowledge, research and reflection.
Mentored work	The student, in group, elaborates a work on the subject of the subject (Muscular Assessment). The work will be a filming of the performance of muscle strength assessments, in which all the members of the group will participate.
Presentation	Development of muscle assessment tests and correction by means of a rubric of the development of the same by their colleagues.

Personalized assistance	
Methodologies	Description
Introductory activities	Guidance and counseling will be carried out in large groups, during the face-to-face class, and individually via e-mail or face-to-face if necessary.
Lecturing	Individual tutorials will be held at the time and place indicated by the teacher (published on the web page). They can also be requested by e-mail indicating in the subject "Tutorials and the corresponding subject/s".

Laboratory practical	Individual or group tutorials: students must request by e-mail indicating in the subject "Tutorials practice/s and the corresponding number"; the teacher will indicate the date and time of the tutorial.
Autonomous problem solving	Autonomous problem solving Guidance and advice will be given in individual or small group tutorials.
Case studies	Guidance and counseling will be conducted in a large group, during the face-to-face class.
Problem solving	Guidance and counseling will be done in a large group, during the face-to-face class.
Mentored work	Guidance and counseling tutorials will be conducted in small groups.
Presentation	Guidance and counseling for the exhibition and presentation of the work will be done in small group tutorials.
Tests	Description
Simulation or Role Playing	The student performs practical assumptions about their peers.

Assessment				
	Description	Qualification	Training and Learning Results	
Lecturing	Theoretical exam. 5 essay questions. No questions may be left unanswered.	40	C3 C11 C13 C14 C15 C16 C35	D7
Laboratory practical	Practical exam in which the student is asked to perform manual topographic localization, and the execution of different evaluation tests. The student must have knowledge of all the evaluation tests and the localization of the different anatomical structures to pass the subject.	40	B2 B3	C3 C13 D2 D7 C14
Mentored work	Peer review.	10	B3	C14 C15 D2 D7
Presentation	Development of muscle assessment tests and correction by means of rubric of the development of the same on the part of their peers.	10	B3	C14 C15 D7

Other comments on the Evaluation

All exam questions must be answered effectively. The completion of the tutored work is compulsory. The grading system will be expressed by means of a numerical grade according to the established in art.5 of the Royal Decree 1125/2003 of September 5th (BOE September 18th).

-CONTINUOUS EVALUATION: In the continuous evaluation modality, the evaluation percentages are as follows: -Theoretical exam (total 40%): -Practical Exam (Simulation or Role Playing): 40% (In order to take the practical exam the student must take the theoretical exam). -Tutorial work: 10%. Of obligatory character. - Presentation: 10%. Of obligatory character. To pass the subject the student must: obtain at least a 5 out of 10 in the theoretical exam and practical exam. (In both the theoretical and practical exam, all the questions of the exams must have an effective answer). The overall grade of the course must be higher than 5 considering the different evaluation percentages. The written tests may include multiple-choice exercises, true/false exercises, element matching exercises, sentence completion exercises, response exercises with a specific term, resolution of clinical cases or interpretation of an image/graph, as well as other activities that have been developed throughout the course. Likewise, concepts of different topics can be evaluated in the same statement to check the assimilation of contents by the students.

-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. Students who do not wish to follow the continuous evaluation must notify in writing following the procedure established by the Faculty of Physiotherapy. The waiver to the continuous evaluation must be made 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, there will be no right to it, nor to the considerations established in it. In order to be able to take the practical exam, the student must take the theoretical exam.

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Recommendations

Subjects that are recommended to be taken simultaneously

Physiology: Functional movement in physiotherapy/P05G171V01105

Subjects that it is recommended to have taken before

Human anatomy: Human anatomy/P05G171V01101

Physiology: Human physiology/P05G171V01102
