



IDENTIFYING DATA

Human anatomy: Human anatomy for movement

Subject	Human anatomy: Human anatomy for movement			
Code	P02G050V01101			
Study programme	(*)Grao en Ciencias da Actividade Física e do Deporte			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Basic education	1st	1st
Teaching language	#EnglishFriendly Spanish			
Department				
Coordinator	Diz Gómez, José Carlos			
Lecturers	Diz Gómez, José Carlos Padín Iruegas, María Elena			
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Web				
General description				

Competencies

Code	
B1	Conceptualization and identification of the object of study of the Sciences of the Physical Activity and the Sport.
B2	Knowledge and comprehension of the scientific literature of the area of the physical activity and the sport.
B13	Habits of excellence and quality in the professional exercise.
C1	Aptitude to design, to develop and evaluate the processes of education - learning relative to the physical activity and the sport with attention to the individual and contextual characteristics of the persons.
C2	Aptitude to promote and evaluate the formation of lasting and autonomous habits of practice of physical activity and sport between the school population
C3	Aptitude to apply the physiological and biomechanical skills, comportamentales and social, in the offer of tasks in the processes of education - learning across the physical activity and sport.
C4	Aptitude to identify the risks that stem for the health of the students due to the practice of inadequate physical activities .
C8	Aptitude to apply the physiological biomechanical, comportamental and social principles, during the process of the sports training
C16	Aptitude to apply the physiological, biomechanical, comportamental and social principles to the field of the physical activity and the health

Learning outcomes

Expected results from this subject	Training and Learning Results
Performance inside the necessary ethical principles for the correct professional exercise.	C1 C2
Conceptualization and identification of the object of study of the anatomy for the movement.	B1 B2
(*)Know and dominate the technicians of the oral expression and and @escrito to improve the oral and @escrito competitions and, especially, to improve the editorial of academic texts	
Adaptation to new situations, resolution of problems and autonomous learning.	B1 B2
Knowledge and understanding of the scientific literature of the field of the anatomy.	B2
Knowledge and compression of the physiological and biomechanical factors that condition the practice of the physical activity and the sport.	C3 C4

Knowledge and understanding of the necessary ethical principles for the correct professional exercise.	B13
Habits of excellence and quality in the professional exercise.	B13
Management of the basic scientific information applied to the physical activity and to the sport in his different demonstrations.	C8 C16
Knowledge and understanding of the foundations, structures and functions of the skills and patterns of movement human.	C16

Contents

Topic	
1. Anatomical terminology	Generalities: cytology, histology and human embryology. Locomotor
2. General structure of the human body	System: head, neck, trunk and extremities. Heart and great vessels.
3. Anatomy of the locomotor system.	Digestive. Respiratory. Genito-urinary. Cranial Peripheral nervous system.
4. Neuroanatomía and splachnology.	Nervous system of the autonomous life. Central nervous system.
Practice.	Practices of cytology and histology. Practices of dissection and study of the distinct fabrics. Identification of structures in anatomical models.

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	22.5	38	60.5
Laboratory practical	30	30	60
Objective questions exam	1.5	28	29.5

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

Methodologies

	Description
Lecturing	Exhibition of the contents of the program. The students will have available in FAITIC the slides of the presentations used in clases and complementary material in digital version or paper.
Laboratory practical	Application to practical level of the theory of a field of knowledge in a determinate context. Practical exercises in the Laboratory of Morphological Sciences

Personalized assistance

Methodologies	Description
Laboratory practical	Doubt solving and explanations to reduced groups of specific subjects. Tutorized management of sources of information.

Assessment

	Description	Qualification	Training and Learning Results
Laboratory practical	Practices: Assistance and quality of the activities made in the practices will be evaluated. We will evaluate the tasks performed, individually or in group. The final marks (NF) will be calculated through the marks of practices and continuous evaluation (NEC) and the marks of the final examination of objective questions (NEF), by means of the following formula (taken from Bardina and Liz): $NF = NEC \times 0.3 + (10 - NEC \times 0.3) \times (NEF / 10)$	30	B1 C1 B2 C2 B13 C3 C4 C8 C16
Objective questions exam	Theoretical examination: Questions with five options, only one correct answer, without penalization for wrong answers. To pass it will be necessary to answer correctly 70% of the questions. The final marks (NF) will be calculated through the marks of practices and continuous evaluation (NEC) and the marks of the final examination of objective questions (NEF), by means of the following formula (taken from Bardina and Liz): $NF = NEC \times 0.3 + (10 - NEC \times 0.3) \times (NEF / 10)$	70	B1 C1 B2 C2 B13 C3 C4 C8 C16

Other comments on the Evaluation

The final marks (NF) will be calculated through the marks of practices and continuous evaluation (NEC) and the marks of the final examination of objective questions (NEF), by means of the following formula (taken from Bardina and Liz):
 $NF = NEC \times 0.3 + (10 - NEC \times 0.3) \times (NEF / 10)$

If the student failed to pass the subject on first attempt, non-acquired competences will be evaluated in the July convocatory. We will keep the same criteria in successive convocatories. The official dates of examinations can be consulted in the web page of the School: <http://fcced.uvigo.es/>

Sources of information

Basic Bibliography

DRAKE RL. VOGL A., **Gray: Anatomía para estudiantes**, 3ª ed, Elsevier, 2015

GILROY AM., **Prometheus. Atlas de Anatomía**, 2ª ed, Panamericana, 2013

LIPPERT H, **Anatomía. Texto y atlas**, 4ª ed, Marban SL, 1999

MOORE KL, **Anatomía con orientación Clínica.**, 7ª ed, Lippincott Williams and Wilkins., 2013

NETTER FH, **Atlas de Anatomía Humana**, 6ª ed., Masson S.A, 2015

OLSON TR, **A.D.A.M. Atlas de Anatomía Humana**, Masson-Williams & Wilkins, 1997

PAULSEN F. WASCHKE J., **Sobotta atlas de Anatomía Humana**, 23ª ed, Elsevier, 2012

WILLIAMS PL, **Gray Anatomía**, Elsevier, 1998

SCHÜNKE M, **Texto y Atlas de Anatomía**, 3ªed, Panamericana, 2015

Complementary Bibliography

FAWCETT DW, **Tratado de Histología**, 11ª ed, Interamericana McGraw Hill, 1989

WELSCH U, **Sobotta. Histología**, Panamericana, 2014

Recommendations

Contingency plan

Description

=== EXCEPTIONAL MEASURES SCHEDULED ===

In front of the uncertain and unpredictable evolution of the sanitary alert caused by the *COVID-19, the University of Vigo establishes an extraordinary planning that will activate in the moment in that the administrations and the own institution determine it attending to criteria of security, health and responsibility, and guaranteeing the teaching in a no face-to-face stage or partially face-to-face. These already scheduled measures guarantee, in the moment that was prescriptive, the development of the teaching of a more agile and effective way when being known in advance (or with a wide *antelación) by the students and the *profesorado through the tool normalised and institutionalised of the educational guides.

=== ADAPTATION OF THE METHODOLOGIES ===

* Teaching methodologies that are maintained

The theoretical classes are maintained, but they will be taught online through the UVIGO Remote Campus Classrooms, maintaining the time schedule established in the Teaching Guide, with the adjustments in schedules and groups established by the Faculty.

In the case of mixed teaching, there will be a group with face-to-face theoretical teaching and another with online teaching, divided according to the capacity of the classrooms and according to the criteria of the Faculty.

* Teaching methodologies that are modified

The development of practical classes will be modified if cannot be in person in the Anatomy laboratory.

Part of the hours dedicated to the practices will be taught online in the Remote Campus classrooms, with explanations about the anatomical models, some live and others with recorded videos.

Another item will consist of autonomous work by the student, who will have to complete the existing practice task sheets, adapted to the teaching conditions, using the Moodle tasks module.

Finally, continuous evaluations of the students will be carried out based on the tasks and previous explanations, through short questionnaires carried out in Moodle, and with oral questions online individually at the Remote Campus.

In the case of mixed teaching, the practice groups will be adapted according to the capacity of the Anatomy laboratory, and the teaching times will be reduced depending on the capacity of the laboratory, with the rest of the teaching load being online form.

* Mechanism for student attention in no presential teaching (tutorials)

The tutorials will be carried out online through the Virtual Office of the teaching staff (Prof J.C. Diz: Room 670. Prof M.E. Padín: Room 1827) at the Remote Campus, keeping the same hours as the face-to-face tutoring. The use of email for the attention of students will be promoted, and Moodle as a means of disseminating information.

* Modifications (if applicable) of the content to be taught

The contents of the subject are maintained.

* Additional bibliography to facilitate self-learning

The bibliography of the Teaching Guide is maintained.

If the students need any additional source of information to carry out some of the practical tasks, access will be provided during the practical classes.

=== ADAPTATION OF THE EVALUATION ===

The theoretical test maintains the weight indicated in the Teaching Guide (70%), as does the continuous evaluation of the practical classes (30%), regardless of whether the teaching is face-to-face or via the Remote Campus.

* Evaluations that are modified

If it cannot be done in person, the final exam will be done through a questionnaire in Moodle, with the same characteristics as the face-to-face exam.

The evaluation of the practical tasks in case they are not face-to-face, will be carried out through the Moodle tasks module. The continuous evaluation of the practices will be carried out through questionnaires in Moodle or individualized oral evaluation in the Remote Campus.
