Information about the subject

Degree: Bachelor of Sciences of Physical Activity and Sport

Faculty: Faculty of Physical Activity and Sport Sciences

Code: 281101 **Name:** Human Anatomy

Credits: 9,00 **ECTS Year:** 1 **Semester:** 1/2

Module: 1) Basic Training Module

Subject Matter: Biological and Mechanical Foundations of Human Motor Skills **Type:** Basic Formation

Field of knowledge: Health Sciences

Department: Basic Sciences and Cross-disciplinary Subjects

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

116PG	Juan Bautista Miñana Serrano **(Responsible Lecturer)**	jb.minana@ucv.es
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Module organization

1) Basic Training Module

Subject Matter	ECTS	Subject	ECTS	Year/semester
Biological and Mechanical Foundations of Human Motor Skills	36,00	Biochemistry and Human Physiology	9,00	1/2
		Biomechanics of Physical Activity	6,00	2/1
		Human Anatomy	9,00	1/2
		Kinesiology	6,00	2/1
		Physiology of Exercise	6,00	2/1
Behavioral and social foundations of human motor skills.	24,00	History and Sociology of Physical Activity and Sport	6,00	1/2
		Sport Psychology	6,00	1/2
		Statitics and Data Processing	6,00	2/2
		Technology Applied to Physical Activity and Sport	6,00	1/1

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

R1	Identify and distinguish the different components of the musculoskeletal system and other body systems involved in physical exercise.
R2	Critically contrast resources and information sources (in both Spanish and English) that allow understanding of the composition of the human body and its movements.
R3	Identify the correct structure of body components that enable a healthy state.

Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

	Weighting			
	1	2	3	4

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R2, R3	50,00%	Written and/or practical tests.
R1, R2, R3	20,00%	Individual or Group Work / Project.
R1, R2, R3	30,00%	Exercises and Practices in the Classroom.

Observations

·Students may keep the assessment instruments they have passed for 3 years after their first enrolment.

·It is necessary to obtain 45% in all instruments in order to pass the subject. The resulting mark for all the instruments must be equal to or higher than 50%. If this criterion is not met, the student will be graded with a maximum of 4.5 in that exam session.

·According to article 4.2. of the UCV Evaluation Guidelines, the limit of absences that may be due to eventualities (medical consultation, bureaucratic procedures...) that do not have to be justified, is 30%.

The detailed explanation (procedure of the tasks) as well as the evaluation instruments (cards or rubrics) of each section will be published on the platform of each group at the student's disposal.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

M1 Attendance at practices.

M2 Resolution of problems and cases.

M3 Discussion in small groups.

M4 Practical laboratories.

M5 Presentation of content by the teacher.

M6 Practical lesson.

M7 Group dynamics and activities.

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORETICAL CLASS: Presentation of contents by the teacher. Competency analysis. Demonstration of capabilities, skills and knowledge in the classroom. M3, M5, M7	R1, R3	66,00	2,64
PRACTICAL CLASS / SEMINAR: Group dynamics and activities. Resolution of problems and cases. Practical laboratories. Data search, computer classroom, library, etc. Meaningful construction of knowledge through student interaction and activity. M2, M3, M6, M7	R1, R2, R3	20,00	0,80
EVALUATION: Set of oral and/or written tests used in the evaluation of the student, including the oral presentation of the final degree project. M2, M7	R1, R2, R3	4,00	0,16
TOTAL		**90,00**	**3,60**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
GROUP WORK: Problem solving. Preparation of exercises, memoirs, to present or deliver in classes and/or in tutoring. M2, M7	R1, R2, R3	20,00	0,80
SELF-EMPLOYED WORK: Study, Individual preparation of exercises, assignments, reports, to present or deliver in classes and/or in tutoring. Activities in platform or other virtual spaces. M2	R1, R2, R3	115,00	4,60
TOTAL		**135,00**	**5,40**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
1	Introduction to Human Anatomy: Basic Concepts
2	Composition of the human body: Levels of organisation
3	Anatomy of the nervous system
4	Anatomy of the circulatory and cardiovascular system
5	Anatomy of the lymphatic system
6	Anatomy of the respiratory system
7	Anatomy of the digestive system
8	Anatomy of the renal system
9	Anatomy of the sense organs
10	Anatomy of the locomotor system: Bones, joints and muscles

Temporary organization of learning:

Block of content	Number of sessions	Hours
1	2,00	4,00
2	3,00	6,00
3	2,00	4,00
4	4,00	8,00
5	2,00	4,00
6	2,00	4,00
7	2,00	4,00
8	2,00	4,00
9	1,00	2,00
10	25,00	50,00

References

Calais-Germain, B. (2004). *Anatomía para el movimiento. Tomo I. Introducción al análisis de las técnicas posturales.* (2ª ed.). La liebre de marzo
Calais-Germain, B. y Lamotte, A. (2011). *Anatomía para el movimiento. Tomo II. Bases de ejercicios.* (2ª ed.). La liebre de marzo
Drake, R. (2020). *Gray. Anatomía para estudiantes*. Elsevier
Hall, S. y Stephens, J. (2020). *Lo esencial en Anatomía y Fisiología*. Elsevier Hansen, J.T. (2019). *Netter. Cuaderno de Anatomía para colorear*. Elsevier Netter, F.H. (2019). *Atlas de Anatomía Humana*. Elsevier
Norton, K. y Olds, T. (Eds.). (1996). *Antropometrica*. Biosystem Servicio Educativo. https://g-se.com/antropometrica-bp-T57cfb26f7c870
Tortora, G.J. y Derrickson, B. (2017). *Principios de Anatomía y Fisiología* (15ª ed.). Editorial Médica Panamericana