



Information about the course

Degree: Bachelor of Science Degree in Human Nutrition and Dietetics

Faculty: Faculty of Medicine and Health Sciences

Code: 1311101 **Name:** Human Anatomy

Credits: 6,00 ECTS **Year:** 1 **Semester:** 1

Module: Basic Sciences Module

Subject Matter: Anatomía Humana **Type:** Formación Básica

Branch of knowledge:

Department: Anatomy and Physiology

Type of learning: Classroom-based learning

Language/-s in which it is given: Spanish

Teachers:

131A Maria Ester Legidos García (Profesor responsable)

ester.legidos@ucv.es



Module organization

Basic Sciences Module

Subject Matter	ECTS	Subject	ECTS	Year/semester
Biología	6	Biology and Genetics	6	1/1
Bioquímica	6	Biochemistry	6	1/2
Química	12	Basic Fundamentals of Chemistry	6	1/1
		Organic Chemistry	6	1/2
Fisiología	12	Physiology	6	1/2
Estadística	6	Biostatistics	6	1/1
Anatomía Humana	6	Human Anatomy	6	1/1
Antropología	12	Anthropology	6	1/1
Microbiología	6	Microbiology and Parasitology	6	1/2
Inglés	6	English	6	1/2

Recommended knowledge

No pre-requisites



Learning outcomes

At the end of the course, the student must demonstrate having acquired the following learning outcomes:

R1 - Compt1 - To be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, understanding of these and their problem-solving abilities in complex or professional and specialized work environments that require the use of creative and innovative ideas.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Having the ability to collect and interpret data and information on which to base their conclusions, including, when necessary and relevant, reflection on social, scientific or ethical issues within their field of study.

Type of AR: Conocimientos o contenidos

- Having acquired advanced knowledge and demonstrated an understanding of the theoretical and practical aspects and the working methodology in their field of study with a depth that reaches the forefront of knowledge.

Type of AR: Competencias

- To be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, understanding of these and their problem-solving abilities in complex or professional and specialized work environments that require the use of creative and innovative ideas.

R3 - Con1 - To have acquired advanced knowledge and demonstrated an understanding of the theoretical and practical aspects and the working methodology in their field of study with a depth that reaches the forefront of knowledge.

Learning outcomes of the specified title

Type of AR: Conocimientos o contenidos



- Having acquired advanced knowledge and demonstrated an understanding of the theoretical and practical aspects and the working methodology in their field of study with a depth that reaches the forefront of knowledge.

Type of AR: Competencias

- To be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, understanding of these and their problem-solving abilities in complex or professional and specialized work environments that require the use of creative and innovative ideas.

R4 - Hab1 - Have the ability to collect and interpret data and information on which to base their conclusions, including, when necessary and relevant, reflection on social, scientific or ethical issues within their field of study.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Having the ability to collect and interpret data and information on which to base their conclusions, including, when necessary and relevant, reflection on social, scientific or ethical issues within their field of study.

Type of AR: Conocimientos o contenidos

- Having acquired advanced knowledge and demonstrated an understanding of the theoretical and practical aspects and the working methodology in their field of study with a depth that reaches the forefront of knowledge.

Type of AR: Competencias

- To be able, through arguments or procedures developed and supported by themselves, to apply their knowledge, understanding of these and their problem-solving abilities in complex or professional and specialized work environments that require the use of creative and innovative ideas.



R5 - Hab4 - Acquire teamwork skills as a unit in which professionals and other personnel related to the diagnostic evaluation and treatment of dietetics and nutrition are structured in a uni or multidisciplinary and interdisciplinary manner.

Learning outcomes of the specified title

Type of AR: Habilidades o Destrezas

- Having the ability to collect and interpret data and information on which to base their conclusions, including, when necessary and relevant, reflection on social, scientific or ethical issues within their field of study.



Assessment system

In-person modality

Assessed learning outcomes	Granted percentage	Assessment tool
R4	15,00%	Assessment of individual or group activities or practical exercises, which require students to research and organize information related to each subject, and solve cases or problems. This is done through a continuous assessment system throughout the course, which involves the submission and/or presentation of assignments, the objectives and content of which will be set by the instructor.
R1, R3	20,00%	Evaluation of practical work in the laboratory, or culinary techniques workshop laboratory, through which the acquired skills must be demonstrated and that one is able to use them to solve the different situations and problems that arise in a laboratory; this evaluation may be carried out through one of the following methods, or a combination of several of them: an individual written test, the individual or group performance of a laboratory experiment, the submission of an individual or group report on the work carried out in the laboratory.
R1, R3	65,00%	Written assessment of the knowledge and skills acquired. This test may consist of a series of open-ended or multiple-choice questions on the theoretical content of the subject and/or practical exercises (problem-solving).

Observations

In order to pass the course, it is necessary to achieve the objectives of each evaluation system. Therefore, at least a 5 must be obtained in each section (theoretical and practical).

In case of passing only one of the two tests (theoretical or practical) the grade will be maintained exclusively for the second call.

The final grade would be obtained by the sum of: 65% Theoretical exam 20% Practical exam 15% Attendance to practices (5%) and submission of work (10%)

This subject does not provide for a single assessment, as it requires the mandatory completion of



practical activities with active student participation.

CRITERIA FOR THE AWARD OF HONORARY GRADUATION: According to Article 22 of the UCV's Regulations for the Evaluation and Grading of Subjects, the mention of "Honorable Mention" may be awarded by the professor responsible for the subject to students who have obtained the grade of "Outstanding". The number of "Matrícula de Honor" mentions that may be awarded may not exceed five percent of the students included in the same official transcript, unless this is less than 20, in which case only one "Matrícula de Honor" may be awarded.

Evaluation by single assessment:

This course does not offer evaluation by single assessment, as it requires mandatory practical activities with active student participation.

Use of Artificial Intelligence (AI):

Students may use AI for personal study of the course. Students may not use AI to complete assessable assignments unless required for a specific activity and instructed by the instructor. If AI is used in any of the activities, the specific part of the activity, the AI tool used, and the purpose for which it was used must be stated.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Training activities

The methodologies to be used so that the students reach the expected learning outcomes will be the following:

- M1 Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission
- M2 Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission



M3 Personalized attention in small groups. A period of instruction and/or guidance provided by a tutor to review and discuss the materials and topics presented in classes, seminars, readings, assignments, etc. Student attendance and their gradual progress in understanding the subjects will be evaluated.

M4 Application and sharing of multidisciplinary knowledge. This involves solving a problem that, in subsequent professional practice, would require the application of skills acquired through the modules and that will generate synergies in the assimilation of transversal and specific competencies. Group work skills will be specifically assessed.

M5 Student study: individual preparation of readings, essays, problem solving, seminars, papers, memoirs, etc. for discussion or submission in electronic format.

M7 Individual or group work sessions in groups supervised by the teacher, which take place in spaces with specialized equipment.

M8 Practical exercises and case studies, analysis of evaluation procedures and procedural intervention. All of this with the support of the professor. This aspect can be monitored through attendance and active participation in the practical sessions.

M9 The teacher will present the content, analyze competencies, and explain and demonstrate skills, abilities, and knowledge in the classroom. The whiteboard, computer, and projector will be used to display texts, graphics, etc.

IN-CLASS TRAINING ACTIVITIES

ACTIVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
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ASSESSMENT	R1, R3, R4, R5	Student study: individual preparation of readings, essays, problem solving, seminars, papers, memoirs, etc. for discussion or submission in electronic format. Practical exercises and case studies, analysis of evaluation procedures and procedural intervention. All of this with the support of the professor. This aspect can be monitored through attendance and active participation in the practical sessions.	2,00	0,08
TUTORING	R3, R4, R5	Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission Individual or group work sessions in groups supervised by the teacher, which take place in spaces with specialized equipment.	2,00	0,08



GROUP WORK PRESENTATION

R5

Application and sharing of multidisciplinary knowledge. This involves solving a problem that, in subsequent professional practice, would require the application of skills acquired through the modules and that will generate synergies in the assimilation of transversal and specific competencies.

Group work skills will be specifically assessed.

Student study: individual preparation of readings, essays, problem solving, seminars, papers, memoirs, etc. for discussion or submission in electronic format.

The teacher will present the content, analyze competencies, and explain and demonstrate skills, abilities, and knowledge in the classroom.

6,00

0,24



The whiteboard,
computer, and
projector will be
used to display
texts, graphics, etc.



LABORATORY	R3, R5	<p>Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission</p> <p>Personalized attention in small groups. A period of instruction and/or guidance provided by a tutor to review and discuss the materials and topics presented in classes, seminars, readings, assignments, etc.</p> <p>Student attendance and their gradual progress in understanding the subjects will be evaluated.</p> <p>Individual or group work sessions in groups supervised by the teacher, which take place in spaces with specialized equipment.</p> <p>Practical exercises and case studies, analysis of evaluation procedures and procedural intervention. All of this with the support</p>	5,00	0,20
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of the professor.
This aspect can be
monitored through
attendance and
active participation
in the practical
sessions.



PRACTICAL CLASSES

R1, R3, R4

Group preparation
of readings, essays,
problem-solving,
seminars, papers,
reports, etc... for
discussion or
submission

Group preparation
of readings, essays,
problem-solving,
seminars, papers,
reports, etc... for
discussion or
submission

Personalized
attention in small
groups. A period of
instruction and/or
guidance provided
by a tutor to review
and discuss the
materials and topics
presented in
classes, seminars,
readings,
assignments, etc.
Student attendance
and their gradual
progress in
understanding the
subjects will be
evaluated.

Individual or group
work sessions in
groups supervised
by the teacher,
which take place in
spaces with
specialized
equipment.

10,00 0,40



THEORETICAL CLASSES	R1, R3, R4	Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission	35,00	1,40
		Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission		
		Personalized attention in small groups. A period of instruction and/or guidance provided by a tutor to review and discuss the materials and topics presented in classes, seminars, readings, assignments, etc. Student attendance and their gradual progress in understanding the subjects will be evaluated.		
		Individual or group work sessions in groups supervised by the teacher, which take place in spaces with specialized equipment.		



TOTAL	60,00	2,40
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TRAINING ACTIVITIES OF AUTONOMOUS WORK

ACTIVITY	RELATIONSHIP WITH THE COURSE LEARNING OUTCOMES	METHODOLOGY	HOURS	ECTS
INDEPENDENT GROUP WORK	R4, R5	Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission Personalized attention in small groups. A period of instruction and/or guidance provided by a tutor to review and discuss the materials and topics presented in classes, seminars, readings, assignments, etc. Student attendance and their gradual progress in understanding the subjects will be evaluated.	20,00	0,80



I N D I V I D U A L R1
SELF-EMPLOYMENT

	Group preparation of readings, essays, problem-solving, seminars, papers, reports, etc... for discussion or submission	70,00	2,80
	Personalized attention in small groups. A period of instruction and/or guidance provided by a tutor to review and discuss the materials and topics presented in classes, seminars, readings, assignments, etc. Student attendance and their gradual progress in understanding the subjects will be evaluated.		
TOTAL		90,00	3,60



Description of contents

Description of content necessary for the acquisition of learning outcomes.

Theoretical content:

Block of content	Contents
LABORATORY	<ol style="list-style-type: none">1. Osteology2. Muskuloeskeletal3. Esplacnology4. Nervus system5. Review



THEORY

1. Histology. Tissues of the organism.
2. General concepts of Anatomy. Organization and levels of the human body. Organs and systems. Anatomical positions and planes. Anatomical-medical terminology.
3. General embryology.
4. Locomotor system. Spine. Rib cage. Musculature of the back, chest and abdominal wall. Upper limb: bones, muscles and vascularization Lower limb: bones, muscles and vascularization.
5. Anatomy of the heart. Layers Cavities. Cardiac vascularization and innervation. Great arterial vessels: structure, classification, location and general distribution. Large venous and lymphatic vessels: Structure and general distribution.
6. Anatomy of the respiratory system: upper and lower airways.
7. Digestive system: General study, vascularization. Mouth, esophagus, stomach and duodenum. Small, thick and straight intestine. Annex organs.
8. Kidney and excretory system: urinary tract. Female genital system: Ovary, tubes, uterus, vagina, and external genitalia. Male genital system: Testis and covers. Seminal routes. External genitalia.
9. Neuroendocrine system: Pituitary, thyroid, parathyroid and adrenal.
10. Nervous System. Nervous system concept. Classification. Autonomic nervous system. Study of the spinal cord and brainstem, brain and cerebellum. Down and up conduction pathways. Sense organs.

Temporary organization of learning:

Block of content	Sessions	Hours
LABORATORY	25	50,00
THEORY	5	10,00



References

Main bibliography (recommended as regular reading-consultation)

- Suárez Quintanilla J. HUMAN ANATOMY FOR HEALTH SCIENCES STUDENTS. Elsevier. 2nd Edition 2020
- Gilroy. Prometheus. ANATOMY FOR STUDENT. 2nd edition. 2020
- Waschke, Koch. ANATOMY TEXT. Elsevier. 1st Edition 2018
- Wineski Lawrence. CLINICAL ANATOMY BY REGION. Wolters Kluver. 10th Edition. 2019
- Drake J. GRAY. BASIC ANATOMY. Elsevier. 2nd Edition 2018
- Hansen John. NETTER ANATOMY COLORING BOOK. Elsevier. 2nd Edition. 2019
- Feneis H. ILLUSTRATED ANATOMICAL NOMENCLATURE Ed. Masson 6th Edition. 2021

Further reading:

- Sobotta - R. Putz. SOBOTTA. ATLAS OF HUMAN ANATOMY 3 VOLS. Elsevier. 25th Edition 2024
- Netter F. ATLAS OF HUMAN ANATOMY. Elsevier. 8th Edition. 2023