Information about the subject

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 Science Module

Subject Matter: Human Anatomy **Type:** Basic Formation

Field of knowledge: Health Sciences

Department: Anatomy and Physiology

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Basic Science Module

Subject Matter	ECTS	Subject	ECTS	Year/semester
Biology	6,00	Biology and Genetics	6,00	1/1
Biochemistry	6,00	Biochemistry	6,00	1/2
Chemistry	12,00	Basic Fundamentals of Chemistry	6,00	1/1
		Organic Chemistry	6,00	1/2
Physiology	12,00	Physiology	6,00	1/2
		Physiology II	6,00	2/1
Statistics	6,00	Biostatistics	6,00	1/1
Human Anatomy	6,00	Human Anatomy	6,00	1/1
Psychology	6,00	Psychology	6,00	2/1
Anthropology	12,00	Anthropology	6,00	1/1
		Food and Culture	6,00	4/1

Recommended knowledge

No pre-requiments

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 Understand and assimilate the concepts included in the course content.

R2 Show ability to solve problems related to such content using different resources.

R3 Show ability to work in a laboratory performing correctly the basic operations and observing the corresponding security rules. As well as a correct understanding of the planning, development and purpose of the experience.

R4 Understand and use language, properly as well as correct writing and presentation of data.

R5 Collaborate with the teacher and classmates throughout the learning process: Attendance to theoretical, practical or tutoring sessions; teamwork; Respect in the treatment; Compliance with the rules of organization of the subject for the benefit of all.

Translated with www.DeepL.com/Translator (free version)

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):

BASIC		Weighting			
		1	2	3	4
CB1	Students demonstrate knowledge and understanding in an area of study that is at the core of general secondary education, and is often at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.			x	

GENERAL		Weighting			
		1	2	3	4
CG03	Students recognise the need to maintain and update professional competence, with particular emphasis on autonomous and continuous learning of new knowledge, products and techniques in nutrition and food, as well as motivation for quality.			x	

SPECIFIC		Weighting			
		1	2	3	4
CE02	Students know the structure and function of the human body from the molecular level to the complete organism in the different stages of life.				x

Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R4	65,00%	Written evaluation of the knowledge and skills obtained. The 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).
R2, R3	15,00%	Assessment of practical laboratory work, or laboratory culinary techniques workshop, through which the competencies acquired must be demonstrated and that they are capable of being used to solve the different situations and problems that arise in a laboratory; this assessment may be carried out by one of the following methods, or a combination of several of them: an individual written test, the individual or group performance of a laboratory experience, the submission of an individual or group report on the work carried out in the laboratory
R2, R5	20,00%	Evaluation of individual or group practices or activities, in which information related to each of the subjects must be sought and structured, and cases or problems resolved. This is done through a system of continuous evaluation throughout the course, which involves the delivery and / or exposure of work, whose objectives and content will be proposed by the teacher.

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.
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.

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.

Learning activities

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

M1 Exposition of contents by the teacher, analysis of competencies, explanation and demonstration of capacities, skills and knowledge in the classroom. The blackboard, the computer and the cannon will be used to display texts, graphics, etc.

M2 Resolution of practical exercises and case studies, analysis of evaluation procedures and procedural intervention. All this with the support of the teacher. This aspect can be controlled through attendance and active participation in the practical sessions.

M3 Resolution of practical exercises and case studies, analysis of evaluation procedures and procedural intervention. All this with the support of the teacher. This aspect can be controlled through attendance and active participation in the practical sessions.

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

M6 Application and sharing of multidisciplinary knowledge This is the resolution of a problem that in its subsequent professional practice would require the application of skills acquired through the development of the modules and that would produce synergies in the assimilation of transversal and specific skills. Group work competences will be specifically evaluated.

M7 Personalised attention and in small groups. Period of instruction and/or orientation carried out by a tutor with the aim of reviewing and discussing the materials and topics presented in the classes, seminars, readings, completion of assignments, etc. The attendance of the student and his/her level of gradual development in the knowledge of the subjects will be evaluated.

M8 A set of tests, written or oral, used in the evaluation of the student.

M9 Group preparation of readings, essays, problem solving, seminars, papers, reports, etc... for discussion or delivery.

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theoretical lessons M1, M2, M3, M7	R1, R2, R4, R5	35,00	1,40
Practice lessons M1, M2, M3, M7	R3, R4, R5	10,00	0,40
Laboratory M1, M3, M7, M8	R3, R4, R5	5,00	0,20
Group work presentation M5, M6, M9	R4, R5	6,00	0,24
Office Hours M1, M7	R1, R5	2,00	0,08
Evaluation M5, M6, M8	R1, R2, R4	2,00	0,08
TOTAL		**60,00**	**2,40**

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Autonomous work M2, M3	R1, R2, R3, R4, R5	70,00	2,80
Group work M2, M3	R3, R5	20,00	0,80
TOTAL		**90,00**	**3,60**

Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
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.

LABORATORY	1. Osteology 2. Muskuloeskeletal 3. Esplacnology 4. Nervus system 5. Review

Temporary organization of learning:

Block of content	Number of sessions	Hours
THEORY	25,00	50,00
LABORATORY	5,00	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

Addendum to the Course Guide of the Subject

Due to the exceptional situation caused by the health crisis of the COVID-19 and taking into account the security measures related to the development of the educational activity in the Higher Education Institution teaching area, the following changes have been made in the guide of the subject to ensure that Students achieve their learning outcomes of the Subject.

Situation 1: Teaching without limited capacity (when the number of enrolled students is lower than the allowed capacity in classroom, according to the security measures taken).

In this case, no changes are made in the guide of the subject.

Situation 2: Teaching with limited capacity (when the number of enrolled students is higher than the allowed capacity in classroom, according to the security measures taken).

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject will be made through a simultaneous teaching method combining onsite teaching in the classroom and synchronous online teaching. Students will be able to attend classes onsite or to attend them online through the telematic tools provided by the university (videoconferences). In any case, students who attend classes onsite and who attend them by videoconference will rotate periodically.

In the particular case of this subject, these videoconferences will be made through:

[X] Microsoft Teams

[ ] Kaltura

Situation 3: Confinement due to a new State of Alarm.

In this case, the following changes are made:

1. Educational Activities of Onsite Work:

All the foreseen activities to be developed in the classroom as indicated in this field of the guide of the subject, as well as the group and personalized tutoring, will be done with the telematic tools provided by the University, through:

- [X] Microsoft Teams
- [ ] Kaltura

Explanation about the practical sessions:

2. System for Assessing the Acquisition of the competences and Assessment System

ONSITE WORK

Regarding the Assessment Tools:

[X] The Assessment Tools will not be modified. If onsite assessment is not possible, it will be done online through the UCVnet Campus.

[ ] The following changes will be made to adapt the subject's assessment to the online teaching.

Course guide		Adaptation	
Assessment tool	Allocated percentage	Description of the suggested changes	Platform to be used

The other Assessment Tools will not be modified with regards to what is indicated in the Course Guide.

Comments to the Assessment System: