



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 481101 **Name:** General Anatomy II and Oral Anatomy

Credits: 6,00 **ECTS Year:** 1 **Semester:** 2

Module: Module 1: Relevant Basic Biomedical Sciences in Dentistry

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: English, Spanish

Lecturer/-s:

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Module organization

Module 1: Relevant Basic Biomedical Sciences in Dentistry

Subject Matter	ECTS	Subject	ECTS	Year/semester
HUMAN ANATOMY	12,00	Embryology and General Anatomy I	6,00	1/1
		General Anatomy II and Oral Anatomy	6,00	1/2
Biology	18,00	Biology	6,00	1/1
		Histology	6,00	1/2
		Microbiology	6,00	1/2
Physiology	6,00	Human and Oral Physiology	6,00	1/2
Biochemistry	6,00	Biochemistry	6,00	1/1
MODERN LANGUAGE	12,00	Modern Language: English	6,00	2/2
		Modern language: Spanish	6,00	2/2

Recommended knowledge

It is recommended that students have previously completed Anatomy I.



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 Knows the main concepts that make up anatomical terminology, its foundations and clinical and surgical utility.
- R2 The student distinguishes the different anatomical osteomuscular structures of the human body.
- R3 Uses dissection instruments in practical work.
- R4 Applies general knowledge of anatomy.
- R5 Defines the essential elements involved in the morphogenesis of the head and neck.
- R6 The student knows the ontogeny and phylogeny of the structures of the cervicofacial sphere.
- R7 Performs anatomical or virtual dissection without difficulty of the cervicofacial sphere.
- R8 Identifies the anatomical structures of the stomatognathic apparatus and relate them to their function.
- R9 Identifies the interactions between the organs and systems studied.
- R10 The student defines the specific characteristics of the temporary and permanent human dentition.
- R11 Manages the systems of positional dental nomenclature.



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):

GENERAL	Weighting			
	1	2	3	4
CG1 I aCapacity for analysis and synthesis				X
CG2 I bOrganizational and planning skills				X
CG12 FInterpersonal skills		X		
CG13 FRecognition of diversity and multiculturalism	X			
CG4 I dKnowledge of a foreign language		X		
TRANSVERSAL	Weighting			
	1	2	3	4
1. a. Analysis and synthesis skills				X
1. b. Organizational and planning capacity				X
1. c. Oral and written communication in the native language.				X
1. d. Knowledge of a foreign language		X		
1. e. Computer skills		X		
1. f. Information management capacity				X
2. i. Teamwork		X		
2. l. Interpersonal skills		X		



2. m.	Recognition of diversity and multiculturalism	x			
2. n.	Critical Reasoning				x
3. p.	Autonomous learning			x	
3. q.	Adaptation to new situations			x	
3. r.	Creativity				x
3. s.	Leadership				x
3. v.	Motivation for quality				x



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R4, R5, R6, R8, R9, R10, R11	25,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
R1, R2, R4, R5, R6, R7, R8, R9, R10, R11	40,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	5,00%	PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.
R10, R11	5,00%	CLASS PARTICIPATION: The teacher assesses the participation, involvement and progress the student makes in acquiring knowledge and skills in theory and practical classes and seminars. This is never more than 5% of the final grade.
R3, R4, R6, R7, R8	25,00%	PRACTICAL EXAM: The student carries out a test in which he/she must show by means of practical application the acquisition of certain knowledge. For example, histological or anatomopathological diagnoses, interpretation of images or diagnostic tests.

Observations

To pass the course, students must obtain a grade of 5 or higher on both the test and the separate essay questions, as well as on the practical exam.

If a student passes one part of the course (theory or practical) and fails the other in the first exam session, the grade for the passed part will be saved for the second exam session.

If, at the end of the second attempt, only one part of the course has been passed, the grade will not be saved for the following academic year.

Attendance at practical classes is compulsory, and absences must always be justified.

- In the event of one justified absence, the student may take the first and second attempt exams as normal.

- If there are two justified absences, the student will not be able to take the exam in the first exam session but will be able to take it in the second exam session.



- If there are more than two justified absences, the student will not be able to take the exam in either the first or second exam sessions and will have to take the course again the following year.
- In the event of one unjustified absence, the student will not be able to take the exam in the first exam period but will be able to take it in the second exam period.
- In the event of one unjustified absence and one justified absence, the student will not be able to take the exam in either the first or second exam period and will have to take the course again the following year. A

Awarding of Honors Honors may be awarded to the best students provided they achieve an overall grade of 9 or higher. The maximum number of Honors awarded will follow the following rule:

- From 1 to 39 students enrolled: 1 Honor.
- From 40 to 59 students enrolled: 2 Honors.
- From 60 to 79 students enrolled: 3 Honors.

This course does not allow for a single assessment, as it requires the mandatory completion of practical activities with active student participation.

CRITERIA FOR AWARDING HONORS: In accordance with the regulations governing the evaluation and grading of the subject in force at the UCV, the distinction of "Honors" may be awarded to students who have obtained a grade equal to or higher than 9.0. The number of "Honors" may not exceed five percent of the students enrolled in the group in the corresponding academic year, unless the number of students enrolled is less than 20, in which case only one "Honors" may be awarded. Exceptionally, honors may be awarded among the different groups of the same subject as a whole. However, the total number of honors to be awarded will be the same as if they were awarded by group, but they may be distributed among all students according to a common criterion, regardless of the group to which they belong. The criteria for awarding "Honors" will be based on the criteria stipulated by the professor responsible for the subject, as detailed in the "Observations" section of the evaluation system in the teaching guide.

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.

Learning activities

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

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| M1 | Lecture.
Problem Solving.
Explanation of contents by the teacher.
Explanation of knowledge and skills. |
| M2 | Practical basic sciences laboratory sessions, practical simulation laboratory sessions, virtual hospital and dissecting room. |
| M10 | Carrying out bibliographic reviews and practical work experience dissertations. |
| M12 | Seminars, supervised monographic classes with shared participation. |
| M13 | Personal preparation of written texts, essays, problem solving, seminars. |
| M15 | Personalised Attention. Period of instruction and/or guidance carried out by a tutor with the aim of analysing with the student his/her work, activities and evolution in learning of subjects. |



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORY CLASS M1	R1, R2, R4, R5, R6, R7, R8, R9, R10, R11	42,00	1,68
SEMINAR M12	R1, R2, R4, R5, R6, R8, R9, R10, R11	4,00	0,16
TUTORING M15	R1, R2, R4, R5, R6, R7, R8, R9, R10, R11	1,00	0,04
EVALUATION M10, M13	R1, R2, R4, R5, R6, R7, R8, R9, R10, R11	1,00	0,04
PRACTICAL CLASS M2, M12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	12,00	0,48
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M10, M13	R4, R5, R6, R10	90,00	3,60
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
UNIT 1. ANATOMY DEVELOPMENT OF THE HEAD AND NECK	Development of the skull and face. Theoretical and practical study of the bones of the skull. Theoretical and practical study of the cranial fossae, temporomandibular joint. Theoretical and practical study of the muscles of the head. Theoretical and practical study of the muscles of the neck. Theoretical and practical study of the vascularization of the head and neck.
UNIT 2. ANATOMY OF THE BRAINSTEM AND CRANIAL NERVES CRANEAL	Macroscopic and microscopic anatomy of the brainstem. Origin and location of the cranial nerves, main neural circuit of the cranial nerves, and innervated structures.
UNIT 3. ANATOMY OF THE DIGESTIVE SYSTEM II	Macroscopic anatomy of the oral cavity, salivary glands, pharynx
UNIT 4. TEMPORARY AND PERMANENT TEETH	Tooth development, primary and permanent dentition, chronology of eruption. Theoretical and practical study of the morphology of primary and permanent dentition.
PRACTICALS AND SEMINARS	Practical 1 Anatomy of the skull, parts and holes Practical 2 Dissection of the suprahyoid and infrahyoid muscles, pharynx and larynx Practical 3 Brainstem and cranial nerves Practical 4 Facial and masticatory muscles Seminar: Temporary and permanent dentition



Temporary organization of learning:

Block of content	Number of sessions	Hours
UNIT 1. ANATOMY DEVELOPMENT OF THE HEAD AND NECK	5,00	10,00
UNIT 2. ANATOMY OF THE BRAINSTEM AND CRANIAL NERVES CRANEAL	6,00	12,00
UNIT 3. ANATOMY OF THE DIGESTIVE SYSTEM II	5,00	10,00
UNIT 4. TEMPORARY AND PERMANENT TEETH	6,00	12,00
PRACTICALS AND SEMINARS	8,00	16,00

References

Bibliography:

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 - Waschke, Koch. TEXTBOOK OF ANATOMY. Elsevier. 1st Edition 2018 -Wineski Lawrence. CLINICAL ANATOMY BY REGIONS. Wolters Kluwer. 10th Edition. 2019
 - Drake J. GRAY. BASIC ANATOMY. Elsevier. 2nd Edition 2018
 - Hansen John. NETTER ANATOMY COLORING BOOK. Elsevier. 2nd Edition. 2019 - Ferenbach, Margaret. DENTAL ANATOMY COLORING BOOK. Elsevier 3rd Edition. 2022
 - Feneis H. ILLUSTRATED ANATOMICAL NOMENCLATURE Ed. Masson 6th Edition. 2021
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