



## 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:** -

**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 to have previously taken 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
1. g. Problem solving				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%	ASSIGNMENTS: The student, either individually or in a group, develops a theme which reviews or researches, and he/she presents it, in writing, for assessment by the teacher.
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, a 5-point grade or higher must be obtained, both in the theory and practice parts of the course.

In case only one of the course parts (theory or practice) is completed in the 1st call, the course will not be passed but the grade of the completed part will be kept for the 2nd call. In case only one part of the course is completed after the 1st and 2nd calls, the grade of the completed part will not be saved for the next academic year.

Attendance to the practices is mandatory, and absences must be always justified.

- In case there is 1 justified absence to the practices, the student will be allowed to take the exam at the 1st and 2nd calls normally.
- In the event of 2 justified absences to the practices, the student will not be allowed to take the



exam in the 1st call but will be able to take the 2nd call exam.

- In case there are more than 2 justified absences to the practices, the student will not be allowed to take the exam either in the 1st or 2nd call, and will have to enroll again in the course in the following academic year.

- In case there is 1 unjustified absence to the practices, the student will not be allowed to take the exam in the 1st call but will be able to do it in the 2nd.

- In case of 1 unjustified absence and a 1 justified absence, the student will not be allowed to take the exam either in the 1st or 2nd call, and will have to enroll again in the course in the following academic year.

### Award of Honors

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

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

### MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

## Learning activities

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

- |     |   |
|-----|---|
| M1  | Lecture.<br>Problem Solving.<br>Explanation of contents by the teacher.<br>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
<b>TOTAL</b>		<b>60,00</b>	<b>2,40</b>

## LEARNING ACTIVITIES OF AUTONOMOUS WORK

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





## Description of the contents

Description of the necessary contents to acquire the learning outcomes.

### Theoretical contents:

Content block	Contents
Unit 1: Anatomy and development of 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 brain stem and cranial nerves.	Gross and microscopic anatomy of the brain stem. Origin and location of cranial nerves, main neural circuitry of cranial nerves and innervated structures.
Unit 3: Anatomy of the Digestive System (II).	Gross anatomy of the oral cavity, salivary glands, pharynx larynx
Unit 4: dental anatomy and nomenclature: Teeth development,	Deciduous and permanent dentition, chronology of eruption. Theoretical and practical study of the morphology of temporary and permanent dentition.
PRACTICE AND WORKSHOP	Practice 1 Anatomy of skull: skull base and foramina, sutures and parts Practice 2 Brain stem and cranial nerves Practice 3 Dissection of the Hyoid-related muscles, larynx, tongue Practice 4 Facial muscles, facial nerve Trigeminal nerve: V1, V2, V3. Seminar 1 Deciduous and permanent dentition Dental notation Seminar 2 Deciduous and permanent dentition



## Temporary organization of learning:

Block of content	Number of sessions	Hours
Unit 1: Anatomy and development of Head and Neck:	5,00	10,00
Unit 2: Anatomy of the brain stem and cranial nerves.	6,00	12,00
Unit 3: Anatomy of the Digestive System (II).	5,00	10,00
Unit 4: dental anatomy and nomenclature: Teeth development,	6,00	12,00
PRACTICE AND WORKSHOP	8,00	16,00

## References

- Suárez Quintanilla J. ANATOMÍA HUMANA PARA ESTUDIANTES DE CIENCIAS DE LA SALUD. Elsevier. 2ª Edición.2020
- Gilroy. Prometheus. ANATOMÍA PARA EL ESTUDIANTE. 2ª edición. 2020
- Waschke, Koch. TEXTO DE ANATOMÍA. Elsevier. 1ª Edición 2018
- Wineski Lawrence. ANATOMIA CLÍNICA POR REGIONES. Wolters Kluver.10ª Edición. 2019
- Drake J. GRAY. ANATOMÍA BASICA. Elsevier. 2ª Edición 2018
- Hansen John. NETTER CUADERNO DE ANATOMÍA PARA COLOREAR. Elsevier. 2ª Edición. 2019
- Ferenbach, Margaret. CAUDERNO DE ANATOMÍA DENTAL PARA COLOREAR. Elsevier 3ª Edición. 2022
- Feneis H. NOMENCLATURA ANATÓMICA ILUSTRADA Ed. Masson 6ª Edición. 2021

### Complementary:

- Sobotta – R. Putz. SOBOTTA. ATLAS DE ANATOMÍA HUMANA 3 VOLS. Elsevier. 24 Edición 2018
- Netter F. ATLAS DE ANATOMIA HUMANA. Elsevier. Edición 7ª Edición. 2019



## 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:

☒ 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:

☒ 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:

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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: