

Course Description

HUMAN ANATOMY

COURSE 1ST; SEMESTER 1ST

DEGREE: DENTISTRY

ACADEMIC YEAR 2021/2022

FACULTY OF MEDICINE

1. COURSE IDENTIFICATION

1.-COURSE:

Title: Human Anatomy		
Code: 19682		
Year (s) in which the course is taught: 1st	Semester (s) when the course is taught: 1st	
Type: Mandatory	ECTS of the course: 6	Hours ECTS: (30)
Language: English	Modality: in person classes	
School which the course is taught: Dentistry		

2.- ORGANIZATION OF THE COURSE:

Department: Medical Basic Science
Subject: Human Anatomy and Embriology

2. LECTURERS OF THE COURSE/SUBJECT

1.-LECTURERS:

Responsible of the course	CONTACT
Name:	Carla Blanco Vidal
Phone (ext):	carla.blancovidal@ceu.es
Email:	
Office:	

Professors	CONTACT
Name:	Angel Herrero de Lucas
Phone (ext):	914566300 (ext:15017)
Email:	aherrero@ceu.es
Office:	

2.- TUTORIALS:

For all queries related to the subject, students can contact the teacher(s) by e-mail or by Microsoft Teams.

3. COURSE DESCRIPTION

The Human Anatomy subject focuses on the study of the embryology and general anatomy of the human body, which includes the study of the macroscopic anatomy of the different devices and systems (locomotor, digestive, respiratory, urinary, genital, circulatory, peripheral nervous, central nervous and endocrine).

4. COMPETENCES

1.- COMPETENCES:

Code	Basic and General Skills
CG.07	To promote autonomous learning of new knowledge and techniques, as well as motivation for quality
CG.11	To understand the basic biomedical sciences on which Dentistry is based to ensure correct oral and dental care
CG.12	To Understand and recognize the normal structure and function of the stomatological apparatus, at a structural, tissue and organic level, in the different stages of life
CB1	Students must demonstrate possession and understanding of knowledge in an area of study that starts from the base of general secondary education, and is usually found at a level that, although supported by advanced textbooks, also includes some aspects that imply knowledge coming from the forefront of their field of study.
CB2	Students must know how to apply their knowledge to their work or vocation in a professional way and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.
CB3	Students must have the ability to gather and interpret relevant data (normally within their area of study) to make judgments that include a reflection on relevant issues of a social, scientific or ethical nature.
CB4	Students must transmit information, ideas, problems and solutions to both a specialized and non-specialized audience

Code	Specific Skills
CE.1	To know the biomedical sciences on which Dentistry is based to ensure correct oral and dental care. These sciences should include appropriate content from: Embryology, anatomy, histology, and physiology of the human body; Genetics, Biochemistry, Cellular and Molecular Biology; Microbiology and immunology.
CE.2	To know the morphology and function of the stomatognathic apparatus, including appropriate contents of specific embryology, anatomy, histology and physiology.

2.- LEARNING OUTCOMES:

Learning outcomes-
Know the basic concepts in anatomy: anatomical position, axes, planes and reference points.
Know, understand and apply the anatomical bases to understand the function of the human body in health conditions, and thus be able to understand the deviations that occur in the disease.
Know and understand the basic processes during the embryonic development of the human body.
Identify the anatomical structures as a knowledge base to integrate the different devices and systems.
Relate the knowledge acquired with other disciplines, such as Physiology, Histology, etc.

5. LEARNING ACTIVITIES

1.- DISTRIBUTION OF STUDENTS` ASSIGNMENT:

Total hours of the course	150
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Code	Name	In-class teaching
AF1	Theoretical classes	43
AF2	Practical classes	16
AF4	Test	4
TOTAL Hours		63

Code	Name	Not in-campus hours
AF8	Student Independent Work	87

2.- LEARNING ACTIVITIES

Learning Activities	DEFINITION
Master class	The teacher will expose certain introductory aspects to the different theoretical blocks of the subject, as well as their integration, according to the subject program. Teaching support materials will be used (documents that will be distributed in class and digitized that will be disseminated through the student portal).
academic tutorials	The professor has schedule availability, established by himself, usable for academic tutorials
Practices	The practical classes will be developed in the laboratory for 5 days in sessions of 3 hours per day. Once the corresponding Practice Shift has been assigned, no change will be allowed except for just cause. The students are organized in work groups to carry out the practical part proposed in the subject program, always under the supervision of the responsible teacher, in addition to analyzing and discussing the results obtained, recording them individually

	in a laboratory notebook, which can be requested by the corresponding teacher, on the date and place indicated.
evaluation test	On-site training activity in which the student takes the assessment tests under the supervision of the teacher.
Autonomous work of the student	Training activity in which the student, autonomously, manages their learning through the study of training materials. It is understood as the work time that the student needs and uses, outside class hours, to acquire the skills and abilities required by the study plan of the degree.

6. ASSESSMENT OF LEARNING

1.- CLASS ATTENDANCE:

- In order to benefit from the continuous evaluation system, attendance at 75% of the theory classes is required (attendance controls will be carried out). Since the student may miss 25% of the total number of classes, excuses for absence will not be accepted.
- Attendance at practical classes is 100% mandatory to pass the subject. As the internships are not contemplated between the ordinary call and the extraordinary call, the non-realization of these in the scheduled months entails the suspension of both calls. It is necessary to pass the practices to pass the subject.

2.- ASSESSMENT METHOD AND CRITERIA:

ORDINARY ASSESMENT (Continual Assessment)		
Code	Name	Percentage
	Theoretical evaluation (partial exams + continuous evaluation + ordinary)	80%
	Practice exam	20%
	Total	100%

EXTRAORDINARY ASSESMENT		
Code	Name	Percentage
	Theoretical evaluation	80%
	Practice exam	20%
	Total	100%

3.- ASSESMENT METHOD DESCRIPTION:

Evaluation system	Definition
Assessment test of a liberating nature (THEORY)	<p>Preferably, 1 or 2 liberating partial exams will be carried out throughout the semester and/or continuous evaluation activities, the date of which will be provided during the first weeks of the course. It will be considered passed when the total mark obtained is equal to or greater than 7.</p> <p>The mark of the theoretical ordinary exam must be greater than or equal to 5 and the mark of the practical exam must be greater than or equal to 5 to apply the percentages.</p>
Ordinary final evaluation test (THEORY)	<p>An ordinary final multiple choice test and short reasoning questions will be held on the dates of the ordinary call, in which the contents not evaluated in the liberatory partial test will be evaluated.</p> <p>The value of this final test will be 25% of the continuous evaluation of theory.</p> <p>Those students who have not released the contents in the partial test, must take the final ordinary exam that will cover the entire program of the subject.</p> <p>To pass the subject in the ordinary call, it is necessary to pass this exam.</p> <p>To make the average of the subject, the student must obtain a minimum grade of 5 in each part of the evaluation (practical and ordinary exam or practical, partial and ordinary, in case of releasing the partial exam).</p> <p>When a student does not participate in an ordinary exam, their previous qualifications will not be taken into consideration and they will have to participate in the exam of the extraordinary call to obtain a final grade.</p> <p>For the ordinary call to be considered passed, the resulting final grade must be equal to or greater than 5.</p>
Continuous assessment (THEORY)	<p>Several activities will be carried out throughout the semester that the student must deliver or solve in class. Completing and passing these activities is mandatory to calculate the final grade.</p>
Practices	<p>The practical classes will be held in the Anatomy Cabinet and in the Dissection Room. The students are organized in work groups, and must carry out the practical part proposed in the subject program, always under the supervision of the responsible teacher, in addition to analyzing and discussing the results obtained, recording them individually in a laboratory notebook, which will be delivered to the corresponding teacher.</p> <p>At the end of the practices, a final exam will be carried out when the program is completed.</p> <p>Attendance and participation at 100% of them is mandatory. Its overcoming requires a grade equal to or greater than 5.</p>

extraordinary call	The student who does not pass the subject in the ordinary call, must take the final exam of the extraordinary call, which will cover all the matter contained in the subject. In exceptional cases, the possibility of examining only part of the total content of the subject will be assessed. In the qualification of the extraordinary call, the percentages established in the continuous evaluation will not be applied, so that this will be the result of the mark of the extraordinary theoretical exam, (80%) which must be greater than or equal to 5, and the mark of the practical exam (20%) that must be equal to or greater than 5 to apply the percentages. For the extraordinary call to be considered passed, the resulting final grade must be equal to or greater than 5.
	"The student who does not appear for the final exam in ordinary or extraordinary call will be qualified with "Not Presented", regardless of whether he has carried out any academic activity of the continuous evaluation".

7. COURSE SYLLABUS

1.- COURSE SYLLABUS

THEORETICAL PROGRAM:

EMBRYOLOGY

GENERAL ANATOMY. ANATOMY OF THE LOCOMOTIVE SYSTEM.

1. The human body: planes and axes. Generalities and nomenclature
2. Trunk: Osteology
3. Trunk: myology.
4. Upper extremity: Osteology.
5. Upper extremity: myology, innervation and vascularization.
6. Lower Extremity: Osteology
7. Lower extremity: myology, innervation and vascularization.
8. Skull

SPLACNOLOGY: ANATOMY OF THE VISCERA.

9. Nostrils. Larynx. Trachea, bronchi, lungs and chest cavity.
10. The heart. External configuration and internal configuration
11. Major and minor circulation.
12. Mediastinum. Thymus and thyroid.
13. Mouth. Pharynx.
14. Esophagus. Stomach, Small Intestine, Large Intestine.
15. Liver, Pancreas, Spleen. Abdominal cavity and peritoneum.
16. Urinary system
17. Genital System, Male and Female Genital System
18. Central and Peripheral Nervous System

INTERNSHIP PROGRAM:

Osteology and myology: head and trunk.
Osteology and myology: upper and lower extremity
Viscera
Central nervous system and peripheral nervous system

Dissection
Test

8. BIBLIOGRAPHY

1.- ESSENTIAL BIBLIOGRAPHY:

- Rouviere Delmas. Anatomía Humana. 11º. Ed. Elsevier Barcelona 2011.
- Drake, R.L., Vogl, W. y Mitchell, A.W.M. Gray. Anatomía para Estudiantes. 4ª ed. Elsevier. Barcelona, 2020.
- Pró, E. Anatomía Clínica. 2ª ed. Editorial Médica Panamericana. Buenos Aires, Madrid, 2014.
- Schünke, M., Schulte, E. y Schumacher, U. Prometheus. Texto y Atlas de Anatomía. 3 vols. 3ª ed. Editorial Médica Panamericana. Buenos Aires, Madrid, 2014.
- Netter. Anatomía de cabeza y cuello para odontólogos: , 3ed. Elsevier, 2017
- Netter, F.H. Atlas de Anatomía Humana. 7ª ed. Elsevier Masson. Barcelona, 2019.

2.- ADDITIONAL BIBLIOGRAPHY:

- Atlas de anatomía Máster EVO5 5ªed. Marban. Madrid 2012
- Dauber, W. Feneis. Nomenclatura Anatómica Ilustrada. 5ª ed. Elsevier Masson. Barcelona, 2007. - Larsen, W.J. Embriología Humana. 3ª ed. Elsevier. Madrid, 2002.
- Moore, K.L., Dalley, A.F. II y Agur, A.M.R. Anatomía. Con orientación clínica. 8ª ed. Editorial Wolters-Kluwer, L'Hospitalet de Llobregat, 2018.
- Neuroanatomía. Texto y Atlas en color. Crossman. Ed. Churchill and Livingston
- Feneis, H. y W. Dauber. Nomenclatura Anatómica Ilustrada. 11ª ed. Elsevier Masson, Barcelona, 2021.
- Kahle, W. y M. Frotscher. Atlas de Anatomía. Con correlación clínica. Tomo 3: Sistema nervioso y órganos de los sentidos. 11ª ed. Editorial Médica Panamericana. Madrid, 2017.
- Paulsen F. y Waschke J. SOBOTTA. Atlas de anatomía humana. Anatomía general y aparato locomotor". Tomo I, 24ª edición, Editorial Elsevier. Barcelona, 2018.
- Purves, D., G.J. Augustine, D. Fitzpatrick, W.C. Hall, A.-S. LaMantia, y L.E. White. Neurociencia, 5ª ed. Editorial Médica Panamericana. Madrid, 2016.

3.- WEB RESOURCES:

<http://www.anatomy.org>
<http://embryo.soad.umich.edu/index.html>
<http://virtualhumanembryo.lsuhsu.edu/>
<http://www.bibliotecaceu.es/>
<http://www.brainmaps.org>
<http://www.msu.edu/rbrains>
<http://www.teachmeanatomy.info>
<http://www.thehumanbrain.info>
<https://openstax.org/details/anatomy-and-physiology>

9. ATTITUDE IN THE CLASSROOM

1.- GUIDELINES

Failures in Academic Integrity (absence of citation of sources, plagiarism of works or improper/prohibited use of information during exams), as well as signing the attendance sheet by a classmate who is not in class, will imply the loss of the continuous evaluation, without prejudice to the sanctioning actions that are established.

The use of electronic devices during classes, both theoretical and practical, recording classes, photographing slides is not allowed.

Likewise, the use of the documentation provided by the teacher through the student portal (presentations, questions, exercises, seminars, practice notebooks, etc.) is restricted to the preparation

of the subject. The teacher(s) reserve the right to make use of the measures included in the current legislation on Intellectual Property, in cases where unauthorized use and/or disclosure of said material is detected.

10. EXTRAORDINARY MEASURES

Should an exceptional situation occur which prevents continuing with face-to-face teaching under the conditions previously established to this end, the University will take appropriate decisions and adopt the necessary measures to guarantee the acquisition of skills and attainment of learning outcomes as established in this Course Unit Guide. This will be done in accordance with the teaching coordination mechanisms included in the Internal Quality Assurance System of each degree.