

## SUBJECT TEACHING GUIDE

### G1 - Anatomy and Human Embryology I

#### Degree in Medicine

Academic year 2019-2020

1. IDENTIFYING DATA					
Degree	Degree in Medicine			Type and Year	Core. Year 1
Faculty	Faculty of Medicine				
Discipline	Basic Subject Area: Human Anatomy Morphology, Structure and Function of the Human Body				
Course unit title and code	G1 - Anatomy and Human Embryology I				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ANATOMIA Y BIOLOGIA CELULAR				
Name of lecturer	JUAN ANTONIO MONTERO SIMON				
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Other lecturers	JUAN MARIO HURLE GONZALEZ ANA MARIA CANGA VILLEGAS CARLOS IGNACIO LORDA DIEZ CRISTINA SANCHEZ FERNANDEZ				

### 3.1 LEARNING OUTCOMES

- Learning and use of the anatomical language. Visualization of anatomical structures and its position in 3D. General knowledge of the morphology, structure and function of the structures that constitute the locomotor apparatus of the human body. Detailed identification, description and function of the musculoskeletal components of the trunk, the head and the neck. Knowledge of the general organization of the circulatory system. Deep knowledge of the shape and structure of the heart and the great vessels of the trunk. Identification of the different stages of human embryo development. Study of the main developmental processes and mechanisms accounting for human embryo development from fecundation to organogenesis.

#### 4. OBJECTIVES

Study of the shape, structure and development of the human body.  
 Study of the general organization of the human body.  
 Study of the general concepts of the locomotor system.  
 Study of the locomotor apparatus of the trunk, neck and head.  
 Study of the general organization of the circulatory system.  
 Study of the disposition and structure of the heart and of the great vessels of the trunk.  
 Study of the initial stages of human embryonic development.  
 Learning of the following skills and attitudes: a) use of the scientific method as a way of thinking, being the students able to integrate the habit of the rigorous observation of the anatomical structures; b) anatomical language acquisition; c) learning and practice of making precise and accurate observations about the appearance, form and structure of the organs, being able to describe them; d) anatomical interpretation of radiological, tomographic and magnetic resonance images.

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Week 1
2	Week 1-2
3	Week 2-6
4	Week 6-9
5	Week 9-11
6	Week 12

#### 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
There will be a multiple choice based test exam including 50 questions. The exam will be passed getting at least 70% of correct answers.	Written exam	Yes	Yes	60,00
The students need to pass a test of anatomical structures identification. They have to explore and recognize accurately at least 80% of the structures they will be asked for.	Laboratory evaluation	Yes	Yes	40,00
<b>TOTAL</b>				<b>100,00</b>
<b>Observations</b>				
Additionally, there will be continuous evaluation by means of tests in virtual learning platforms or brief exercises in the classroom or the lab. They will lead to an improvement in the final marks without affecting negatively to those obtained in conventional practical and theoretical examinations.				
<b>Observations for part-time students</b>				
It will be adjusted as much as possible to the particular needs of the student.				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

### BASIC

- Anatomía Humana (García-Porrero, JA y Hurlé JM). Panamericana. 2019.
- Anatomía Humana (García-Porrero, JA y Hurlé JM). McGraw-Hill. 2005.
- Embriología médica de Langman (Sadler, TW). Panamericana 2006.
- Antes de nacer: Fundamentos de embriología y anomalías congénitas. (Moore, KL Persaud TVN, y Torchia MG). Panamericana 2017.
- Prometheus Atlas de Anatomía (Gilroy et al). Panamericana 2011.
- Atlas de Anatomía Humana (Netter, FH).6ª Ed. Elsevier-Masson. 2015.
- García-Porrero J. A. y Hurlé J.M. (2010). EBOOK-Anatomía Humana McGraw-Hill/Interamericana.
- Embriología Humana y Biología del Desarrollo.(Arteaga y García) Panamericana 2013.