SUBJECT TEACHING GUIDE

G365 - Anatomy and Cell Biology

Degree in Nursing

Academic year 2019-2020

1. IDENTIFYING DATA					
Degree	Degree in Nursing			Type and Year	Core. Year 1
Faculty	Faculty of Nursing				
Discipline	Subject Area: Human Anatomy Module: Common Basic Training				
Course unit title and code	G365 - Anatomy and Cell Biology				
Number of ECTS credits allocated	6	Term		Semester based (1)	
Web	https://aulavirtual.unican.es/default.aspx				
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ANATOMIA Y BIOLOGIA CELULAR
Name of lecturer	MARIA ANGELES FERNANDEZ TERAN
E-mail	angeles.fernandez@unican.es
Office	Facultad de Enfermería. Planta: + 1. DESPACHO (108)
Other lecturers	CARLOS IGNACIO LORDA DIEZ ANA ROSA PALANCA CUÑADO CRISTINA SANCHEZ FERNANDEZ

3.1 LEARNING OUTCOMES
- Recognize the general structure of the cell as a morphological and functional unit of living beings. Identify the components of the cell and the function performed by each organelle.
- Define the processes of cell division of somatic and sex cells (mitosis and meiosis).
- Recognize the structural organization, distribution and functional role of major tissues in the human body.
- Identify the shape and structure of the living human body.
- Describe the anatomical position, the reference planes and terms that are used in anatomy and clinical practice to describe the human body as well as the relationship between the body parts.
- Briefly describe the functions of each system.
- Identify and locate the organs that make up each system.
- Recognize the shape and structure of each organ.
- Explain the differences in the shape and structure of the human body in childhood compared to adulthood . The differences are mentioned by studying each organ system.
- Recognize the differences in the shape and structure of the human body associated with the aging process , with respect to adulthood. The differences are mentioned by studying each organ system

4. OBJECTIVES
The aim of the course is that the student: Learn the general structure of the cell as a morphological and functional unit of living beings as well as the processes of cell division of somatic and sex cells (mitosis and meiosis).
Learn the structural organization, distribution and functional role of major tissues in the human body
Learn about the different regions and body cavities.
Learn the major systems of the body
Identify and locate the organs that make up each system.
Briefly describe the morphology and function of each organ

6. COURSE ORGANIZATION

CONTENTS	
1	Cell Biology: the Cell Cell Biology: the Tissues: epithelial, connective and its derivatives, nervous, muscular and blood.
2	Topics: Introduction to Anatomy: concept of anatomy, anatomical position, reference planes in anatomy and clinical practice, terms of position Introduction to the locomotor system: overview of bones, joints and muscles Spine: vertebrae parts, regional differences of the vertebrae, special vertebrae, joints of the vertebrae, ligaments of the spine Thorax locomotor: ribs, sternum, chest joints, respiratory muscles, diaphragm muscle Pelvis: hip bone, joints of the pelvis, shape and parts of the pelvis, diameters of the female pelvis, gender differences. Movements and muscles that mobilize the spine Skull: internal and external surfaces of the skull, skull newborn, fontanales Upper limb: parts, bones, joints, muscles and muscle function Lower limb: parts, bones, joints, muscles and muscle function Circulatory system, portal circulation and fetal circulation. Description of the heart and great vessels Respiratory system: parts, description, location and structure of each of the parts. Digestive system: parts, description, location and structure of each part. Body cavities Male genitourinary apparatus: parts, description, location and structure of each part Female genital apparatus: parts, description, location and structure of each part Central nervous system: parts, description, location, structure and function of each part Peripheral Nervous System: Description of the cranial peripheral nervous system and spinal somatic and autonomic nervous system.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Written exam (20%)	Written exam	No	No	20,00
Written exam (20%)	Written exam	No	No	20,00
Written exam (60%)	Written exam	Yes	Yes	60,00
TOTAL				100,00

Observations
To pass the subject it is necessary that the sum of the grades of the 3 written exams is equal to or greater than 5.
Observations for part-time students
The same exam as for full-time students

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Netter Cuaderno de Anatomía para colorear. J.T. Hansen. 2ª edición. 2015. Ed. Elsevier/Masson

Estructura y función del cuerpo humano. Thibodeau/Patton. 15ª edición. 2016. Ed. Elsevier