29204 - Human Anatomy I

Información del Plan Docente

Academic Year	2016/17
Academic center	229 - Facultad de Ciencias de la Salud y del Deporte
Degree	441 - Degree in Human Nutrition and Dietetics
ECTS	6.0
Course	1
Period	First semester
Subject Type	Basic Education
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

5.2.Learning activities

5.3.Program

LOCOMOTIVE:

General Human Anatomy. Anatomy in Bachelor of Dentistry. Definition, Norms, axes and reference planes. Introduction to

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the various systems of the body: locomotor, circulatory, respiratory, digestive, urogenital, nervous and endocrine systems.

Skeleton of the trunk. spine, shoulder and pelvic girdle.

Neuromuscular systems of the back, chest and anterior, lateral walls and the bottom of the abdomen. Roof of the abdomen and pelvic floor. Sensory innervation of the trunk. Blood circulation and venous return of the trunk.

Topographic and applied anatomy of the trunk. Anatomy images.

Skeleton of the upper limb. Joints and ligaments representative.

Brachial plexus.

Study of neuromuscular systems of the upper extremity: ulnar and median nerves, radial nerve, musculocutaneous nerve, circumflex and coracoid.

Arterial and venous blood circulation of the upper limb. Sensory innervation of the upper limb.

Topographical and applicative anatomy of the upper extremity. Imaging anatomy of the upper extremity.

Skeleton lower extremity. Joints and ligaments representative.

Lumbosacral plexus.

Study of the neuromuscular system of the lower extremity: posterior thigh and buttock. Sciatic nerve. Crural and obturator nerves. Internal popliteal sciatic nerve, peroneal nerve and sole.

Arterial and venous blood circulation of the lower extremity. Sensory innervation of the lower limb.

Topographic and applied anatomy of the lower extremity. Anatomy images.

SPLANCHNOLOGY:

Heart. Configuration and heart and great vessels organization. Irrigation and innervation of the heart itself. Pericardium.

Lung. Configuration and pulmonary Organization. Pleura.

Topographical study of the thorax. Mediastinum, Timo and Mamas.

Anatomical study of the digestive tract: esophagus, stomach. Thin, large intestine and rectum.

Liver and biliary tract. Pancreas. Spleen.

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Anatomical study of the urinary system: Kidney. Configuration, organization and relationships. Urinary tract. Ureter, urinary bladder and urethra.

Anatomical study of the genital tract: Female Genitalia: Ovary and Fallopian. Uterus Vagina. Vulva and annexed glands. Male genital organs: Testis and bags. Seminal tract, prostate and penis.

Anatomical study of the bodies that constitute the endocrine system.

Topographical study of the abdominal and pelvic cavity.

CENTRAL NERVOUS SYSTEM

Spinal cord. Configuration, structure and wraps. Afferent / efferent pathways and ascending / descending pathways.

Brainstem. Configuration structure, function and vascularity of the brain stem.

Cerebellum. Configuration, structure, function and vascularization of the cerebellum. Arqui, paleo and neocerebellum and brain stem formations related.

Diencephalon. Diencephalon configuration. Thalamus, hypothalamus, pituitary gland.

Epithalamus: pineal gland. Subthalamus and basal ganglia.

Cerebrum. Internal and external configuration of the cerebrum. Structure of the cerebral cortex. Sensory cortex and cortex effector.

Arterial and venous vasculature of the brain. Ventricular system, meninges and circulation L.C.R

INTRODUCTION TO THE STUDY OF HEAD AND NECK

Bony structures of the head and craniofacial Pits and mucous membranes. Temporomandibular joint

Neuromuscular systems head and neck

Salivary Glands and visceral structures of the head and neck

Basic vascularization and innervation of head and neck

5.4.Planning and scheduling

5.5.Bibliography and recomended resources