
COURSE: ANATOMY

ACADEMIC YEAR: 2106-17

TYPE OF EDUCATIONAL ACTIVITY: (Basic, Characterizing, Affine, Free choice, Other)

TEACHER: Giuseppe Adurno

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website:

phone:

mobile (optional):

Language: ITALIAN

ECTS:10

n. of hours: 80

Campus: Potenza
Dept./School: department of
science
Program: PHARMACY (LM-13)

Semester: II

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

*Provide the student with a knowledge of Human Anatomy;
(Both macroscopic and microscopic) necessary to address the
Subsequent courses (Physiology, Biologic Chemistry, Pathology, Pharmacology).
At the end of the course the student is able to develop the ability to
learning of human anatomy that enable them to study for the most part
independently.*

PRE-REQUIREMENTS

Sintetizzare in lingua inglese i contenuti riportati nella scheda in lingua in italiana.

SYLLABUS

General

Anatomical position, body plans and section planes; medical terminology;

Human body organization: cellular, tissue, organ, apparatus

*Tissues: Epithelial tissue, glandular epithelia, connective tissues, Connective, fat, connective tissue
support, cartilage, bone, blood and lymph. Muscle tissue, nerve tissue.*

Integumentary system: general information and functions. Structure of the skin. Skin appendages.

Locomotor system: organization of the skeleton, morphological classification of the bones; joints.

*Morphology of a joint type: capsules, ligaments, synovium. Skeleton of the head; the cranium and
the splanchnocranium. Muscles of the head, facial expression and mastication. The skeleton and
major muscles of the trunk of the upper limb and lower limb.*

Cardiovascular system: macroscopic and microscopic anatomy of the heart, the conduction system, the fibrous skeleton, heart valves, cardiac cycle. The pericardium. The pulmonary and systemic circulation. Arteries: Aorta origin and course, the main collateral branches and terminal branches. The coronary arteries. Circle of Willis, Veins: the main veins. Portal circulation. Structure of blood vessels. The fetal circulation changes occurring at birth.

Organization of the lymphatic system and its role in defending the body. General information and structure of the club and of the lymphatic organs (lymph nodes, thymus, spleen, etc.).

Respiratory system: (anatomy macroscopic, microscopic and functional): Nasal cavity, pharynx, larynx, trachea, bronchi, lungs. Respiratory mechanics, the pulmonary alveoli and gas exchanges. The pleura.

Digestive system: The oral cavity, tongue and teeth. The major salivary glands. Pharynx, esophagus, stomach, intestines. The liver, the intra-and extrahepatic bile ducts. The gallbladder. The pancreas. The peritoneum. Vascularization of the digestive system. The portal vein system.

Urinary System: Kidney, nephron juxtaglomerular apparatus, urinary tract. Vascularization of the urinary tract.

Genital system: Testis, spermatic tract, prostate, penis. Vascularization of the app. male genital. The ovary, the fallopian tubes, uterus, vagina, vulva. Vascularization of the female genitalia.

Endocrine system: general organization and structure of the endocrine glands (pituitary, pineal gland, thyroid, parathyroid, adrenal, endocrine pancreas).

Nervous system and sense organs: Organization of the CNS and its components (spinal cord, bulb, pons, midbrain, cerebellum, diencephalon, telencephalon). Vie motor and sensory pathways.

Peripheral and autonomic nervous system. Structure of the eye and the ear, the organs of taste and

smell.

TEACHING METHODS

- *Lectures*
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EVALUATION METHODS

- *Final exam*
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TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

- *Ambrosi G. Anatomia dell'uomo 2° edizione. Edi.Ermes*
 - *Martini/Timmons/Tallitsch:Anatomia Umana. EdiSES*
 - *Artico M. ANATOMIA UMANA . Principi edi-ermes*
 - *Martini – Nath Fondamenti di anatomia e fisiologia. EdiSES*
 - *Anne M. Gilroy Brian MacPherson Lawrence M. Ross Prometheus Atlante di Anatomia EdiSES*
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INTERACTION WITH STUDENTS

Receptio on Thersday drom 17 to 18 classroom A 11.

Comunications by e-mail

EXAMINATION SESSIONS (FORECAST)¹

2/2/2017, 2/5/2017, 6/6/2017, 4/7/2017, 5/9/2017 , 2/11/ 2017, 5/12/2017

SEMINARS BY EXTERNAL EXPERTS YES ☐ NO ☒

FURTHER INFORMATION

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.