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**COURSE: ANATOMY**

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**ACADEMIC YEAR: 2017-2018**

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**TYPE OF EDUCATIONAL ACTIVITY: Basic**

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**TEACHER: Prof. Giuseppe ADURNO**

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e-mail: : **giuseppe.adurno@unibas.it**

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website:

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phone:

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mobile (optional):

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Language: **Italian**

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**ECTS: 10**

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n. of hours: **80**

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Campus: **Potenza**

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Dept./School: **Department of  
Sciences**

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Program: **Pharmacy (LM-13)**

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Semester: **II**

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(from .....to.....)

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**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.*

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**PRE-REQUIREMENTS**

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**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,*

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*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.*

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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*

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EXAMINATION SESSIONS (FORECAST)<sup>1</sup>

1-2-2018; 1-5-2018; 26-6-2018; 5-7-2018;2-10-2018; 4-12-2018

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SEMINARS BY EXTERNAL EXPERTS    YES     NO

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FURTHER INFORMATION

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