UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anatomy

2425-1-I0303D003-I0303D010M

Aims

The student will learn to know and describe the human body organization, the anatomic terminology and will acquire a detailed knowledge of the organs, vessels and nervous structures in the different systems, their position and relations.

Contents

The course provides students with the fundamental theoretical knowledge of Anatomy and a view to their subsequent professional application.
The organization of the human body and the macroscopic and microscopic structure of its components will be described.

Detailed program

? General principles of anatomy.
? Three-dimensional organization of the human body. Anatomical terminology. The body regions. Hollow organs and parenchymatous organs.
? Locomotor system: skeleton (axial and appendicular component), joints, muscle groups and their functions.
? Circulatory system: heart; vessel structure; arteries and veins of the general circulation.
? Lymphatic system: thymus, lymph nodes, spleen, tonsils, mucosa-associated lymphoid tissue (MALT). Lymphatic vessels and lymphatic circulation.
? Digestive system: oral cavity, salivary glands, pharynx, esophagus, stomach, small and large intestine, liver, extrahepatic bile ducts, pancreas, peritoneum.
? Respiratory system: nose, nasal and paranasal cavities, larynx, trachea, bronchial tree, lungs, pleurae.

? Urinary system: kidneys, ureter, bladder, urethra.
? Female genital system: ovary, uterine tubes, uterus, general information on the external genitalia
? Male genital system: testes, intratesticular seminal tracts, extratesticular seminal tracts, glands attached to the app. male genitalia, general information on the external genitalia
? Endocrine system: pituitary, thyroid, parathyroids, adrenal glands, endocrine pancreas, epiphysis, diffuse endocrine system
? Nervous system: Neurons and glia, general characteristics and organization of the central nervous system (CNS) and peripheral nervous system (PNS).
? Central nervous system (CNS): Spinal cord, Brain stem, Cerebellum, Diencephalon, Telencephalon, Limbic system. Cerebral ventricles and CSF circulation. Main nervous pathways.
Peripheral nervous system (PNS): spinal nerves, nerve plexuses and encephalic nerves. Autonomic nervous system: general information.
? Integumentary system: general information. Mammary gland.
? Specific sensitivity systems: eye and ear

Prerequisites

College-level scientific knowledge

Teaching form

18 2-hour practical lessons, most of which carried out in attendance. Some lessons are carried out in frontal mode in the initial part and in interactive mode in the subsequent part, in order to ensure greater student involvement.

Textbook and teaching resource

Drake RL e altri. Anatomia del Gray - I fondamenti - a cura di Gobbi P. e altri - Edra
Ambrosi G. e altri. Anatomia dell'Uomo (2006) - Edi-Ermes
Bentivoglio M. e altri. Anatomia Umana e Istologia (2010) - Ed. Minerva Medica
Saladin KS. Anatomia Umana. (2011) – Piccin
McKinley M., O'Loughlin VD. Anatomia Umana. Ed. italiana (2014) - Piccin
Seeley e altri. Anatomia (2014) – Idelson-Gnocchi
Gilroy AM. Elementi di Anatomia Umana – Edises (2017)
Martini FH e altri. Anatomia Umana (2019) - Edises
Barbatelli G. e altri. Anatomia Umana – Fondamenti (2018) – Edi-Ermes
Cappello F.(curatore) - autori vari – Anatomia Clinica (2019) – Idelson-Gnocchi
Carinci e altri – Anatomia Umana e Istologia – Edra (2022)
Atlanti:
Netter - Atlante di Anatomia UMana - Edra
Netter - Atlante di Anatomia Umana - Scienze Infermieristiche - Edra
Prometheus - Atlante di Anatomia - Edises
Atlante - Anatomia Umana - Anastasi G e altri - Edi-Ermes

Last edition.

Semester

First Semester

Assessment method

The written test consists of 3 open questions to evaluate preparation on the teaching programme, the ability to organize knowledge in a short discussion and communication skills in a disciplinary context.

Office hours

From Monday to Friday by appointment to be requested via email (guido.cavaletti@unimib.it ; paola.marmiroli@unimib.it, Monza; pbertoli@asst-pg23.it, Bergamo)

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES