



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anatomy

2627-1-I0304D002-I0304D00202

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.
- ? Special senses: eye and ear

Prerequisites

College-level scientific knowledge

Teaching form

18 2-hour practical lessons, most of which delivered through lectures.

Some lessons will start with a lecture and then move into an interactive session, ensuring greater student engagement

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 (arianna.scuteri@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
