UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Human Anatomy

2627-1-I0103D001-I0103D00104

Aims

Knowledge and Understanding
Study the macroscopic, microscopic, and ultrastructural organization of tissues, organs, and systems of the human body. Acquire correct scientific and anatomical terminology. Understand the correlations between the morphological structure of structures and their specific function in pathophysiological and clinical processes.

Ability to Apply Knowledge and Understanding
Caregiving Practice: Apply anatomical knowledge to correctly perform maneuvers and procedures (e.g., obtaining venous access, positioning catheters, intramuscular injections, probes, etc.).
Clinical Monitoring: Use knowledge of organ location and vascular and nervous pathways to monitor vital signs and detect physical abnormalities early.

Making Judgment
Patient Assessment: Integrate anatomical knowledge to interpret the patient's physical signs during nursing assessments.
Clinical safety: distinguishing normal anatomical conditions from major macroscopic abnormalities to prevent risks or complications during care.

Communication skills
Professional language: communicating anatomical and clinical data with precision and scientific rigor within the multi-professional team.
Patient education: translating complex anatomical concepts into clear, accessible, and understandable language for patients and their caregivers.

Learning skills
Self-learning: developing the skills necessary for independent learning by consulting textbooks, anatomical atlases, and scientific databases.
Prerequisites: demonstrating a solid morphological foundation essential for subsequent courses, particularly physiology, general pathology, and clinical nursing.

Contents

The course provides students with the fundamental theoretical knowledge of anatomy, with a view to their subsequent professional application. The course aims to teach the morpho-functional characteristics, organization and macroscopic and microscopic structure of the organs of the different systems/apparatus of the human body.

Detailed program

General Principles of Anatomy. The three-dimensional organization of the human body. Anatomical terminology. The body regions. Hollow organs and parenchymatous organs. Locomotor system and skeleton, joints, muscles. Circulatory System. Lymphatic system. Digestive system. Respiratory system. Urinary system. Female and male reproductive system. Endocrine glands. Nervous system

Prerequisites

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Teaching form

Lectures

Textbook and teaching resource

- Martini, Tallitsch, Nath ANATOMIA UMANA, EdiSES
- Bandera P, Bielli P et al ANATOMIA UMANA, Ed Piccin
- Saladin ANATOMIA UMANA, Ed Piccin
- Selley, Vanputten et al “Anatomia Umana” Idelson Gnocchi-Sorbona
- McKinley, O’Loughin “Anatomia Umana” Ed Piccin
- Vercelli, A., Bentivoglio, M., & Bertini, G. (2011) ANATOMIA UMANA FUNZIONALE, Ed Minerva Medica

The student will be able to choose from one of the recommended texts, all of which are equally valid.
For the texts, the latest edition available.
Teacher will provide other educational material.

Semester

First semester, first year

Assessment method

The anatomy exam, evaluated in thirtieths, consists of two parts:
Multiple choice tests. 29 tests (4 answers of which one is correct) that may concern any organ of the apparatus/system reported in the Anatomy program. For each correct answer 1 scores will be assigned. 0 scores will be assigned for wrong or omitted answer. Of these 29 tests, 5 testes are about Histology
One open answer that refers to one of the organs of the apparatus/system reported in program. The open answer have an evaluation ranging from 0 to 4. If the open question, the task is not considered valid.

Office hours

By appointment requested by mail

Sustainable Development Goals

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