UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Human Anatomy and Histology

2526-1-H4103D155

Aims

The general educational objectives of the Human Anatomy and Histolgy Course are aimed at providing essential knowledge of histology, normal human anatomy, and embryonic development, which are necessary for a proper clinical approach to the patient and for understanding the pathogenesis of diseases.

Contents

The course aims to teach:
the structure and function of various cell types and tissues within the context of different organs
the micro- and macroscopic organization of the different structures and organs of the human body, as well as their changes throughout life
embryonic development and the fundamental processes of organogenesis
Anatomical knowledge will be developed through a multimodal approach: during the course, both systematic and regional anatomy criteria will be used, along with references to topographic, radiological, and clinical anatomy.
Part of the course will include practical activities involving the use of anatomical models (including 3D virtual models), histological slides observed under a light microscope, and simulated clinical cases.

The course content is distributed as follows:
In the 2nd semester of the 1st year, the Histology 1 and Anatomy 1 modules are covered (11 CFU).
HISTOLOGY 1: Cytology, histology, and embryology, including topics in organogenesis.
ANATOMY 1: Musculoskeletal system; macroscopic anatomy of the organs and structures of all body regions (head, neck, thorax, abdomen, pelvis); circulatory and lymphatic systems. The nervous system, eye, and ear are excluded.

In the 1st semester of the 2nd year, the Histology 2 and Anatomy 2 modules are covered (9 CFU).
HISTOLOGY 2: Microscopic anatomy of the organs of all body regions (head, neck, thorax, abdomen, pelvis), including observation of related histological specimens.

ANATOMY 2: Central and peripheral nervous systems and sensory organs (eye and ear).

At the end of the second semester of the 1st year, a mid-course partial exam is scheduled, focusing on the content of Histology 1 and most of the content of Anatomy 1.
The outcome of the partial exam is expressed as an assessment grade.
For more details on the partial exam, see the section on assessment methods and grading.

Detailed program

See each module for specific detailed programs

Prerequisites

College-level scientific knowledge

Teaching form

Lessons, seminars and laboratory practice. Interactive and problem-solving laboratories and clinical case simulations.
Virtual dissections will be performed using the 3D virtual dissection Anatomage tool.

Textbook and teaching resource

Suggested Textbooks: see single units

Semester

2nd term of the 1st year
1st term of the 2nd year

Assessment method

The exam aims to verify the knowledge and skills acquired in the various modules that make up the course and consists of a MIDTERM TEST and a FINAL ORAL EXAM.

MID-COURSE ASSESSMENT at the end of the 2nd term of the 1st year:
multiple choice quiz focused on Histology, Embryology, head and neck and thoracic region anatomy (nervous system and vascular system excluded) and musculoskeletal system; this exam is composed of 60 multiple-choice

questions (correct answer=0,5 pt; possible evaluations= Insufficient, Sufficient, Fair, Good, Excellent).

FINAL ORAL EXAMINATION at the end of the 1st term of the 2nd year:
The final oral exam specifically focuses on the topics covered in the Histology 2 and Anatomy 2 modules, as well as on the macroscopic and microscopic anatomy of the abdominal and pelvic regions, and on the circulatory and lymphatic systems. However, also knowledge of the topics of the first part of the teaching (1st year) could be tested.
The exam will also evaluate the capacity of the student to recognize and discuss the features of human organs at the light microscope.
Use of proper terminology is required.

Office hours

Mon-Fri, by appointment

Sustainable Development Goals

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