UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Fundamentals of Human Morphology

1920-1-H4102D007

Aims

The student will be able to communicate effectively with colleagues and to use and understand anatomical language appropriately. Knowledge of accepted general anatomical terminology will be achieved.

The general features of the systems further described in detail in “Cardiovascular and Respiratory diseases” and “Neuroscience I and II” will be addressed. Specific reference to clinical anatomy features will also be performed.

Students will be able to describe the structure and ultrastructure of the eukaryotic cell and the morphology correlate with the function of each organelle; then they will be able to describe the structure and morpho-functional characteristics of human tissues (epithelial, connective, muscle and nervous tissues) as well as to describe the main events of gametogenesis and early embryogenesis.

The student will be able to indicate the normal microscopic organization of the main organs of the human organism. The microscopic and functional structure of the organs of the digestive, respiratory, urinary, genital, lymphatic, nervous, endocrine and integumentary organs will be addressed in preparation to histopathological assessment.

Contents

Students will be introduced to:

- principles of histology, embryology, and regional anatomy;
- general principles of systematic anatomy

- use of the light microscope and organ recognition
- clinical Anatomy

Lessons contents will be supported by the activities of Clerkship 2, modules “Histology” e “Regional anatomy”

Detailed program

Detailed program is available under the section of each module

Prerequisites

College-level scientific knowledge

Teaching form

Lessons, seminars, laboratory practice

Virtual dissections will be performed using the 3D anatomy visualization system for anatomy Anatomage

Textbook and teaching resource

See each module for specific textbooks and resources

Semester

2nd term

Assessment method

An oral examination is employed to test students’ knowledge and it will follow a practical demonstration at the light microscope of the capacity of the student to recognize the normal microscopic features of human organs.

The examination is intended to test students’ knowledge acquired in the histology, microscopic anatomy, general anatomy and regional anatomy modules, besides those of Clerkship 2, modules “Histology” e “Regional anatomy”

During the exam anatomical models and diagnostic images might be used to assess students’ knowledge..

Office hours

Mon-Fri 9AM-5PM, by appointment