UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Histology

2021-1-I0303D003-I0303D009M

Aims

The student will learn: To know and describe the structure and ultrastructure of the eukaryotic cell and correlate the morphology to the function of each organelle. To know and describe the structure and morpho-functional characteristics of human tissues.

Contents

The course provides students with the fundamental theoretical knowledge of histology with a view to their subsequent professional application. The following concepts will be examined: the cell structure, the morphofunctional characteristics of tissues; the organization of the human body and its macroscopic and microscopic structure

Detailed program

Cytology: General properties of eukariotic cells. Cell membrane. Cytosol, intracellular compartments, cytoplasmic organelles, nucleus and cytoskeleton.

Histology: Tissues: classification and methods of study. Epithelial tissue, Connective tissue. Adipose tissue. Cartilage. Bone. Smooth muscle, skeletal muscle, cardiac muscle. Nervous tissue. Blood.

Prerequisites

Teaching form

Lectures and exercises

Textbook and teaching resource

Bentivoglio M et al.: Anatomia umana e istologia. Ed. Minerva Medica

Bani D. et al.: ISTOLOGIA per le lauree triennali e magistrali. Idelson Gnocchi

Adamo S. et al.: ISTOLOGIA per i corsi di laurea in professioni sanitarie. Piccin

Last editions

Semester

First Semester

Assessment method

Multiple choice test. 15 questions (4 answers of which one is correct): 5 citology, 10 general histology

For each correct answer 2 scores will be assigned.

Oral exam on request.

During COVID-19 emergency written tests will be on-line (https://esamionline.elearning.unimib.it) with automatic proctoring system.

Oral exams will be carried out using the Webex platform. A public link for access to the examination will be reported on the page of the course.

Office hours

By appointment