UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Histology

2627-1-I0302D003-I0302D009M

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 Histology Module provides the student with the essential theoretical knowledge of the ultrastructure of the eukaryotic cell and of the structure of the various tissues of the human organism.

Detailed program

Cytology

- General properties of eukariotic cells;
- Cell membrane;
- Cytosol;
- Intracellular compartments, cytoplasmic organelles;
- Nucleus
- 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

Scientific knowledge at high school level

Teaching form

6 frontal practical sessions (2 hours each) in attendance.

Textbook and teaching resource

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

The histology written test will consist of 15 multiple choice questions to check preparation on the exam programme. 2 points will be awarded for each correct answer; 0 points will be awarded for each incorrect or omitted answer.

Office hours

From Monday to Friday upon request for an appointment via email (gabriella.nicolini@unimib.it).

Sustainable Development Goals

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