



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Histology

2425-1-I0302D003-I0302D009M

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#### 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 eukaryotic 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.

## **Office hours**

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

**Sustainable Development Goals**

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

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