



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Istologia

2122-1-I0303D003-I0303D009M

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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 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 eukaryotic 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

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## **Teaching form**

Lectures and exercises. Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation.

## **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 cytology, 10 general histology

For each correct answer 2 scores will be assigned.

Oral exam on request.

Exams in attendance, subject to any ministerial changes following the COVID pandemic situation.

## **Office hours**

By appointment

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