UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Histology

**2021-1-I0301D003-I0301D009M**

## 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. Tooth tissues.

## Prerequisites

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## Teaching form

Lectures and exercises

## Textbook and teaching resource

Sica G. et al.: ISTOLOGIA per le professioni sanitarie. Idelson Gnocchi

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

Ten Cate. Istologia orale. Piccin

## 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