



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Istologia 2

2021-1-H4101D002-H4101D010M

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#### Aims

The objectives of the course are to provide expertise in human histology

#### Contents

The course includes the observation of human organ histological preparations using optical microscope.

#### Detailed program

HISTOLOGY:

- Introduction for correct use of the light microscope. Overview of the morphological characteristics of the different tissues that constitute the human body.
- Skin. Structure, organization and histology.
- Digestive system. Structure, organization and histology of lip, tongue, esophagus, stomach, small, large intestine, rectum.
- Digestive glands. Structure, organization and histology of liver, gallbladder, pancreas, salivary glands.
- Endocrine system. Structure, organization and histology of hypophysis, thyroid, parathyroid, adrenal glands.
- Urinary system. Structure, organization and histology of kidney, minor and major calyx, renal pelvis, ureters, bladder, urethra.
- Respiratory system. Structure, organization and histology of nose, larynx, trachea, bronchial tree (primary, secondary and tertiary bronchi, bronchioles, terminal and respiratory bronchioles, alveolar ducts and alveolar epithelium), lung.
- Female reproductive system. Structure, organization and histology of ovary, fallopian tubes, uterus, mammary glands, placenta, umbilical cord.
- Male reproductive system. Structure, organization and histology of testis, tubuli recti, rete testis, ductuli efferentes, epididymis, duct system, seminal vesicles, bulbourethral glands, prostate.
- Lymphatic system. Structure, organization and histology of thymus, lymph node, spleen, tonsil, lymphatic vessels.
- Nervous system. Structure, organization and histology of the central, peripheral and autonomic nervous system.

## **Prerequisites**

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## **Teaching form**

Frontal lessons and practical sections using optical microscope. During Covid emergency lessons will take place partly in presence and partly by recorded lessons.

## **Textbook and teaching resource**

Ross et. al. Atlante di Istologia e Anatomia Microscopica. Casa Editrice Ambrosiana

Rezzani et al. Anatomia microscopica e diagnosi differenziale d'organo. Edises

Baldi. Anatomia microscopica del Netter. Cic Edizioni Internazionali

Young et al. Wheater Istologia e anatomia microscopica. Masson

## **Semester**

Second semester

## **Assessment method**

The knowledge of microscopic anatomy will be assessed by the identification of a histological slide. During the Covid-19 emergency oral exams will be performed only online, using the WebEx platform (with a public link on E-learning).

## **Office hours**

By appointment

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