



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Histology 2

2122-1-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. Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation"

## **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.

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

## **Office hours**

By appointment

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