



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Microscopic Anatomy

2324-1-H4102D087-H4102D022M

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#### Aims

The student will be able to indicate the normal microscopic anatomical organization of the main organs of the human organism, recognizing the distribution of the different tissues and their main structural and functional characteristics

The microscopic and functional structure of the organs of the digestive, respiratory, urinary, genital, lymphatic, nervous, endocrine and integumentary organs will be addressed in preparation to histopathological assessment

#### Contents

Students will be introduced to the use of the optical microscope to carry out a microscopic examination of non-pathological organs, with in-depth analysis of the microscopic characteristics of the main human organs

#### Detailed program

Microscopic examination of the following organs/or systems

- lymphatic system (lymph nodes, spleen, thymus, tonsils)
- respiratory system (larynx, trachea, main bronchi and their branches, lungs, alveolus structure)
- digestive tract and organs associated with the digestive tract (pharynx, esophagus, stomach, small intestine, large intestine, liver and pancreas)
- urinary system (kidneys, ureters, bladder, urethra)
- female and male reproductive systems (ovaries, Fallopian tubes, uterus, vagina, mammary glands, seminiferous tube, epididymis, vas deferens and the accessory glands: the seminal vesicles and prostate gland)

- endocrine system (thyroids, parathyroid, pituitary glands, adrenal gland)
- central and peripheral nervous systems
- Tongue, skin, and its appendages

## **Prerequisites**

The student must know the basic notions of Cell Biology as acquired in the high school

## **Teaching form**

Theoretical lessons and recognition of histological preparations slides through practical lessons in the laboratory

The language of delivery of the course will be **English**

## **Textbook and teaching resource**

Junqueira's Basic Histology: Text and Atlas, Fourteenth Edition by Anthony L. Mescher

Wheaters functional histology: a text and colour atlas, Young Barbara

## **Semester**

2nd term

## **Assessment method**

The knowledge of the topics of this module will be assessed during the examination, see "Fundamentals of Human Anatomy" syllabus for the examination description

## **Office hours**

Every day after agreeing an appointment with the teacher of the course

## **Sustainable Development Goals**

QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES

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