



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Organs and Functions

2627-1-I0302D003

Aims

Knowledge and understanding

The integrated course of “Organs and Functions” provides students with the knowledge and understanding of the concepts of cytology and histology, of normal gross and microscopic human anatomy, and of the physiological functioning of human organs and systems, with a view to their subsequent professional application.

Applying knowledge and understanding

The integrated course of “Organs and Functions” provides students with applied knowledge and understanding through the study of microscopic anatomy using light microscopes.

Contents

Through the various modules, the course aims to teach: the cellular structure, the morpho-functional characteristics of tissues (Histology module), the organization and macroscopic and microscopic structure of the human body (Anatomy module), the knowledge of basis of the functional mechanisms of the biological phenomenon integrated in normal conditions and the fundamental tools for interpreting the conditions of pathological alteration (Physiology module).

In the perspective of their subsequent professional application, the course also provides the theoretical and practical knowledge for the recognition of a histological preparation under the optical microscope.

Detailed program

[View specific modules](#)

Prerequisites

Scientific knowledge at high school level

Teaching form

Teaching takes place in attendance, with frontal lessons and practical session in both frontal and interactive modes (see the individual modules).

Textbook and teaching resource

Textbook and teaching resources to view in the specific modules

Semester

First semester

Assessment method

Written exam with multiple choice questions to evaluate preparation on the exam program.

Open questions to evaluate, in addition to preparation on the topics covered, the ability to organize knowledge in a short discussion and communication skills in a disciplinary context.

Oral/practical test to evaluate the student's ability to recognize a histological specimen under an optical microscope
See the specific modules for the specific mode adopted.

Office hours

From Monday to Friday upon request for an appointment via email.

Head of teaching Gabriella Nicolini (gabriella.nicolini@unimib.it).

For the teachers of the different modules see the individual modules.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES
