



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Biomedical Sciences 1

2324-1-I0101D001

Aims

Students will acquire the knowledge of the histological and anatomical bases essential for the study and understanding of human physiology and pathology. He must also know the structure and function of cellular components and the related molecular mechanisms. Chromosomal pathologies; the concepts and methods of transmission of hereditary characters and "non-traditional" pathogenetic mechanisms; the basis for the qualitative and quantitative knowledge of biological phenomena.

Contents

The course aims to provide information for understanding the organization of the human body; to explain how cells and tissues are organized to form organs and systems; to highlight the functional correlations of the micro- and macroscopic anatomy. It also aims to transmit the knowledge of the structure and function of the various components of eukaryotic cells, the molecular mechanisms involved in cell replication, the molecular mechanisms involved in gene expression; chromosomal pathologies; the concepts and methods of transmission of hereditary characteristics "non-traditional" pathogenetic mechanisms, as well as the foundations for the qualitative and quantitative knowledge of biological phenomena for a correct application of therapeutic prescriptions.

Detailed program

Details are provided in each specific module

Prerequisites

Teaching form

Frontal lectures

Textbook and teaching resource

Details are provided in each specific module

Semester

1st year, I semester

Assessment method

Written exam.

Details are provided in each specific module

Office hours

on appointment

Sustainable Development Goals

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