



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Scienze Biomediche 1

1920-1-I0102D001

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#### Aims

The student must achieve the knowledge of the histological and anatomical bases essential for the study and understanding of the human physiology and pathology. He must also know: the structure and function of cellular components and molecular mechanisms; the chromosomal disorders; the concepts and methods of transmission of hereditary characteristics and of pathogenic mechanisms “non-traditional”; the qualitative and quantitative knowledge of biological phenomena.

#### Contents

The course aims to describe the organization of the human body; to explain how are cells and tissues organized to form organs and systems; to underline the functional correlations of 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; the chromosomal disorders and transmission pattern in Mendelian monogenic diseases as well as the basis for the qualitative and quantitative knowledge of biological phenomena for a correct application of therapies

#### Detailed program

#### Prerequisites

#### Teaching form

Lectures

## **Textbook and teaching resource**

## **Semester**

1 anno, I semestre

## **Assessment method**

Written examination- Test with single choice, multiple choice and open ended questions - Oral on evaluation of teachers

## **Office hours**

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