UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Genetics

2425-1-I0202D138-I0202D005M

Aims

The course aims at developing the students' understanding of the basic concepts in genetics

Contents

The chromosome. Cell division. Errors in chromosome mechanics. Fertilization. Inheritance and Mendel's Laws. The transmission of genes.

Detailed program

- The chromosome. Function and architecture
- Cell division for cell growth and reproduction (mitosis and meiosis)
- Errors in chromosome mechanics
- Fertilization
- Inheritance and Mendel's Laws
- The transmission of genes / of mendelian diseases in human trees
- Normal and pathological human karyotype.

Prerequisites

none

Teaching form

Lessons in the presence of the teacher.

Textbook and teaching resource

Slide lecture of the teacher

Semester

First Semester

Assessment method

Written exam aimed at verifying the acquisition of notions indicated in the program: 15 multiple choice questions. The correctness and consistency of the answers with respect to the question requested will be assessed.

The exam will be performed only at the end of the course (no intermediate examination will be available).

Although this course is held in Italian, for Erasmus students, students can take the exam in English if they wish to do so.

Office hours

by appointment by email request

Sustainable Development Goals

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