UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Genetics

2021-1-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.

During the Covid-19 emergency period lessons will take place according to the indications that will be provided to students by the degree course and according to the published timetable. Lessons will be held in mixed mode with the partial presence of the students and a ynchronous streaming link via webex (for student not admitted in the classroom). The webex link will be made available on the elearning page of the course.

All the lessons will be videotaped and made available asynchronously on elearning over the course of a day.

Textbook and teaching resource

Slide lecture of the teacher

Semester

First Semester

Assessment method

Written exam: quizzes with single / multiple choice and open questions.

During the Covid-19 emergency period the exam will take place electronically with proctoring control.

Office hours

by appointment by email request