



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Genetics

2122-1-I0202D138-I0202D005M

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#### 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 \_\_\_\_\_

#### 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: quizzes with single / multiple choice

**Office hours**

by appointment by email request

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