



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Genetics II

1920-1-H4102D002-H4102D009M

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#### Aims

Understand the methods employed in genetic analysis and their applications both within families and in the general population.

#### Contents

Laws of heredity and the processes involved in the generation of phenotypic diversity.

#### Detailed program

How to draw and analyze a pedigree.

Calculate recombination frequencies.

Use of molecular biology techniques to evaluate genetic diversity.

#### Prerequisites

Basic sciences (chemistry, physics)

## **Teaching form**

Group discussion

Laboratory work

## **Textbook and teaching resource**

Thompson & Thompson Genetics in Medicine, 8e, 2015

## **Semester**

Second semester

## **Assessment method**

Oral examination on the subjects taught during the lectures

Discussion on further subjects (part of the program) not exhaustively discussed in class

## **Office hours**

By appointment

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