



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Genetics II

2122-1-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

Learning of the most common molecular biology techniques

#### Detailed program

In this part students will perform "hands on" laboratory work. In particular they will learn:

DNA or RNA extraction

PCR and agarose gel electrophoresis

(Note: activities in attendance, subject to any ministerial changes following the COVID pandemic situation)

**Prerequisites**

Basic sciences (chemistry, physics)

**Teaching form**

Laboratory work

**Textbook and teaching resource**

Thompson & Thompson Genetics in Medicine, 8e, 2015, reviews

**Semester**

Second semester

**Assessment method**

Evaluation of the lab performance

**Office hours**

By appointment

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