



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Internship Orientation

2425-1-F0901D056

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#### Aims

- Competence acquisition in the use of basic laboratory equipment
- Competence acquisition in technologies used in research laboratories
- Preparation to choose the internship in line with the professional profile that the student aims to develop
- Knowledge of the stage and traineeship offer for the preparation of the graduation thesis
- Knowledge of the training programs to perform research project in foreign countries

#### Contents

- Ongoing orientation: how to present the study plan, presentation of internationalization programs, opportunities for external internships/internships, guidance to degree achievement.
- Practical laboratories for knowledge and use of instrumentation and laboratory techniques
- Attendance in freely chosen scientific seminars

#### Detailed program

The course aims to provide students with ongoing orientation, declined in the following ways:

- description of how to present the study plan;
- presentation of internationalization programs (Erasmus, Exchange and Double Degree);
- opportunities for internships outside the University;
- guidance on the degree-granting process: from the presentation of educational projects, to the submission of degree applications, to guidelines for writing the dissertation;
- basic notions for the correct use of the instruments commonly used in a research laboratory, such as

variable volume micropipettes, serological pipettes and automatic pipettors for liquids dispensation, vortex, bench centrifuges, magnetic stirrers, analytical balance, with practical exercises of use (2 hours);

- basic notions on some techniques used in research laboratories, specifically SDS-PAGE and centrifugation (8 hours);
- participation in seminars chosen by the student and proposed by the faculty (Internationalization Week, NeuroMI congress)

## **Prerequisites**

None

## **Teaching form**

The Internship is carried out using different teaching modes:

- 7 (2-hour) lectures with in-presence erogative mode;
- mandatory 1 (2-hour) laboratory exercise with in-presence interactive mode;
- mandatory 2 (4-hour) lab exercises with interactive in-presence mode;
- 30 hours in laboratory with interactive in-presence mode on individual student's voluntary basis;
- on individual student's choice of attendance at in-presence seminars or streaming webinars.

## **Textbook and teaching resource**

- Materials presented during the erogative lectures
  - Protocols used during the practical labs
- Materials will be made available through the e-learning platform

## **Semester**

First semester

## **Assessment method**

Certification of course attendance: frequency is achieved by attending at least 70 percent of the total 80 hours scheduled, including guidance meetings, mandatory and voluntary laboratories, and participation in in seminars of individual choice.

## **Office hours**

Upon request: [raffaella.meneveri@unimib.it](mailto:raffaella.meneveri@unimib.it) and [francesca.raimondo@unimib.it](mailto:francesca.raimondo@unimib.it)

## **Sustainable Development Goals**

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

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