UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Internship Orientation

2425-1-F0901D056

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

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Sustainable Development Goals

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