



# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Tirocinio 1a

2122-1-I0302D042-I0302D059M

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#### Aims

- To know and apply security and auto protection rules. Respect for privacy laws.
- To know how to perform biological samples identification, validation, and check-in.
- To know how to perform the pre-analytical treatment of samples.
- To know how to prepare reagents for the analytical phase, with particular attention to their expiry dates, storage, re-suspension and warehousing.
- To know how to use pipette, centrifuges, microscopy.
- To know how to store biological samples.
- To know how to collect, manage and separate wastes.

#### Contents

The goal of the course is to provide students with the practical skills to understand auto protection and privacy rules, to manage the preanalytical phase (samples identification, collection, storage, transport and treatment), to use the basic laboratory instrumentation, to prepare reagents and to correctly dispose of waste.

#### Detailed program

- Security and auto protection rules. Respect for privacy laws.

- Biological samples identification, validation, and check-in.
- Preanalytical treatment of samples. Preparation of reagents for the analytical phase, with particular attention to their expiry dates, storage, re-suspension and warehousing.
- Pipette, centrifuge, microscopy use.
- Biological sample storage.
- Separate waste collection and management.

## **Prerequisites**

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## **Teaching form**

Traineeship

## **Textbook and teaching resource**

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## **Semester**

Second semester first year

## **Assessment method**

- The student prepares a written report;
- the tutor fill in a specific form;
- the final evaluation is given during an oral examination.

## **Office hours**

By appointment required by mail.

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