UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Training IIb

2425-2-I0302D045-I0302D062M

Aims

The student, followed by internship assistants and/or tutors, during the internship period must:

1. Enter the laboratory context and acquire relational skills by demonstrating that you relate correctly to the various professional figures with whom you interact
2. Demonstrate that you know how to apply workplace safety regulations, that you respect privacy legislation and that you know and respect company regulations
3. Learn how to use the laboratory management information system (Laboratory Information System-LIS)
4. Learn how to perform and evaluate instrumental calibrations
5. Learn the methods of execution and the evaluation criteria of Internal and External Quality Control
6. Acquire the management methods of daily and periodic instrumental maintenance
7. Familiarize yourself with the various diagnostic technologies and know the different analytical techniques used in the laboratory
8. Learn to recognize the interferents that can compromise the results and the corrective actions to apply
9. Learn to recognize and manage instrumental problems that can compromise the analytical phase

Contents

During the second year internship the student acquires the basic principles for managing the different diagnostic technologies, experiments with the execution and verification of instrumental calibrations and learns the management methods of internal and external quality controls and the corrective actions to be applied in situations out of control. Finally, the intern learns to manage instrumental maintenance and experiences some easy technical interventions in the event of instrumental downtime. manage instrumental problems that can compromise the analytical phase.

Detailed program

1. workplace safety regulations, privacy legislation and company regulations
2. laboratory management information system (Laboratory Information System-LIS)
3. execution and evaluation of instrumental calibrations
4. execution and evaluation of Internal and External Quality Control
5. management of daily and periodic instrumental maintenance
6. management of instrumental faults

Prerequisites

Teaching form

Practical professionalizing activities

Textbook and teaching resource

The teaching material will be provided during the practical activities

Semester

First and second semester second year

Assessment method

1. Preparation of a written report by the student; the report must be a reflective reworking of the student's experience

2. Compilation of evaluation forms by tutors and internship assistants

3. Oral interview with questions relating to the report written by the student and the practical activity carried out during the internship

The final rating is represented by the average of the three ratings

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING