UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Laboratory Medicine Seminars

2526-3-I0302D018

Aims

To know how to comprehend, analyze and manage puzzling clinical/literature reports regarding specific TLB activities: pre-analytic phase, separation techniques, spectrophotometry, method validation and comparison, biologic risk prevention, professional responsibility, lab for nephrology and occupational health.
Dublin's descriptors:

- Knowledge and understanding
  At the end of the course, the student must demonstrate knowledge of the laboratory techniques described in the seminars, an understanding of the theoretical and practical context of the analytical methodologies presented, and the ability to integrate the in-depth knowledge acquired during the seminars.

- Applying knowledge and understanding
  At the end of the course, the student will be able to correctly apply and use the theoretical knowledge, case studies, instruments, and laboratory procedures presented during the seminars.

- Making judgements
  At the end of the course, the student will be able to critically analyze experimental data and interpret them independently, recognizing their limitations, evaluating possible improvements, and proposing alternative techniques/methodological choices discussed during the seminars.

- Communication skills
  At the end of the course, the student must be able to effectively communicate the results of analyses using appropriate digital tools. They should also be able to actively and competently participate in seminar discussions by asking relevant questions and making pertinent observations.

- Learning skills
  At the end of the course, the student should be able to search for and select relevant scientific articles to deepen their understanding of the topics covered, independently explore new methodologies and technologies, and engage in continuous personal updates on laboratory techniques.

Contents

The attendance to this activity provide students with an advanced and detailed knowledge in the field of laboratory medicine.

Detailed program

Presentation of clinical cases, of puzzling laboratory problems and of literature reports regarding specific BLT activities: pre-analytic phase, separation techniques, spectrophotometry, method validation and comparison, biologic risk prevention, professional responsibility, lab for nephrology and occupational health.

Prerequisites

Teaching form

In person learning Seminars

Textbook and teaching resource

The Teachers will provide educational materials

Semester

First semester

Assessment method

Attendance

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING