



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Microbiology B

2425-2-H4101D256-H4101D175M

Aims

To provide the student with knowledge on practical laboratory aspects, including the laboratory methods used in Clinical Microbiology Laboratories for the diagnosis of infectious processes.

The students are expected to acquire skills in requesting and interpreting results of laboratory methods used for the diagnosis of microbial infections.

Contents

Laboratory practicals with simulated clinical samples allowing the students to perform laboratory methods and investigations required for the identification of microbial pathogens and for the determination of their in vitro susceptibility to antimicrobial agents.

Detailed program

Performing laboratory methods aimed at:

- Bacterial isolation on different agar media
- Identification of isolated colonies through a panel of biochemical reactions
- Antibiotic susceptibility testing
- Staining methods to investigate bacterial morphology using microscopy
- Rapid antigen detection methods
- Molecular methods in diagnostic microbiology

Prerequisites

The study of the Medical Microbiology A Module.

Teaching form

- 3 interactive sessions of 4-hours comprising laboratory work and case discussions in person

Textbook and teaching resource

Notes, video simulations, Standard Operating Procedures for Clinical Microbiology Laboratories.

Semester

II semester of the second year of the degree course.

Assessment method

Attendance of students to the module activities.

Office hours

Send an e-mail to: marianna.martinelli@unimib.it

Sustainable Development Goals

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