



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Microbiologia Medica B

2324-2-H4101D256-H4101D175M

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#### 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**

Ongoing study of the module of Medical Microbiology A

**Teaching form**

Laboratory practical work

**Textbook and teaching resource**

Notes, video simulations, cards and lecture notes from the Microbiology Laboratory

**Semester**

II semester of the second year of the degree course

**Assessment method**

Specific questions in the final quiz of Medical Microbiology. Diagnostic aspects verified in the final exam of Medical Microbiology.

**Office hours**

Upon request and by appointment

**Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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