



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Microbiology: methods and Techniques

2324-2-I0302D009-I0302D032M

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#### Aims

To provide basic knowledge of diagnostic techniques of clinical microbiology

#### Contents

Student's skills:

- Collection, transportation and treatment of biological samples.
- Techniques of culture, identification, interpretation.
- Quality controls: CQI and VEQ in Clinical Microbiology lab.
- Alert study, infectious diseases and nosocomial infections.
- The biological risk in Microbiology lab.

#### Detailed program

Collection, transportation and treatment of biological samples. Techniques of culture, identification, interpretation.

Quality controls: CQI and VEQ in Clinical Microbiology lab.

The biological risk in Microbiology lab.

## **Prerequisites**

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## **Teaching form**

Lectures.

## **Textbook and teaching resource**

E. W.Koneman, S.D.Allen, W.M.Janda, Introduzione alla Microbiologia, Antonio Delfino Ed.

Download SOPs of Health Protection Agency, from website: [http://www.hpa-standardmethods.org.uk/pdf\\_sops.asp](http://www.hpa-standardmethods.org.uk/pdf_sops.asp)

AMCLI Percorsi diagnostici

EUCAST [www.eucast.org](http://www.eucast.org)

## **Semester**

First semester

## **Assessment method**

Oral test to check preparation on microbiology techniques, to assess independent thinking skills, and to check communication skills in disciplinary field.

## **Office hours**

On appointment requested by mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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