



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Scienze Tecniche di Medicina di Laboratorio

2223-3-H4101D257-H4101D075M

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#### Aims

Patient's history taking, with focus on cardiovascular and respiratory problems, Diagnostic assessment with critical data interpretation, Physical examination, Main clinical signs and symptoms. Knowledge of normal ranges of the main diagnostic tests for the cardiovascular and respiratory systems.

#### Contents

To provide the tools for the correct use of biochemical tests, and the definition of their indications and interpretation. Main diagnostic tests for the cardiovascular and respiratory systems.

#### Detailed program

- Evidence-based laboratory medicine (EBLM): Appropriateness of diagnostics tests
- Roles, limits and aims of laboratory tests.
- How to ask for a test.
- Pre-analytical, analytical and post-analytical variability.
- Lab test interpretation: reference values and decisional process; sensibility, specificity and predictive values.
- Markers of function/lesion

## **Prerequisites**

Propaedeutic skills

## **Teaching form**

Lectures. Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation

## **Textbook and teaching resource**

McPherson RA, Pincus MR Henry's Clinical Diagnosis and Management by Laboratory Methods, 23a edizione in lingua inglese. Ed. Elsevier,

Federici G. Medicina di laboratorio ed McGraw-Hill. IV edizione,

Marshall W, Lapsley M., Day A Clinical chemistry ed Mosby. 8a edizione in lingua inglese. Ed. Elsevier,

## **Semester**

first semester

## **Assessment method**

Written and oral test. Multiple choice test comprising 30 questions with only one correct answer (among 5) aimed at evaluating global comprehension of course program. Each correct answer is scored 1.

During COVID-19 emergency written tests will be on-line (<https://esamionline.elearning.unimib.it>) with automatic proctoring system.

Oral exams will be carried out using the Webex platform. A public link for access to the examination will be reported on the page of the course.

## **Office hours**

on appointment required by mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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