



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Clinical Pathology

2122-3-H4101D257-H4101D036M

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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

- Biochemical markers of cardiovascular risk: Lipid profile and C reactive protein
- Markers of myocardial injury: troponins, biochemical and clinical characteristics. Use of troponins in emergency dept, research of new biomarkers.
- Biomarkers of heart failure: NT-proBNP
- Tumor markers

- Diagnostics of Immunopathologies
- Complete Blood Count (CBC)

## **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,

Antonozzi - Gulletta Medicina di Laboratorio - Logica e Patologia Clinica. Ed. Piccin 2019

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

## **Semester**

first semester

## **Assessment method**

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

