



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Tecniche Analitiche

2021-1-I0302D005-I0302D020M

---

#### Aims

Students' skills: to illustrate the basic principles and applications of clinical biochemical techniques as photometric, electrophoretic, immunometric, hemochromocytometric, CSF analysis, enzymatic assays.

#### Contents

To provide the fundamentals of the main principles of analytical and instrumental techniques employed in Clinical Biochemistry and Hematology laboratory.

#### Detailed program

Laboratory instruments. Basic principles and applications of the main lab techniques: photometric, electrophoresis techniques, hemo-chromo-cytometric and CSF analysis. Evaluation of analytical methods (practicability, reliability, accuracy). Biomarkers: concept and uses in the diagnostic workout for Alzheimer's disease and Cerebral Amyloid Angiopathy.

#### Prerequisites

Biomedical Sciences

## **Teaching form**

Lectures and seminars

## **Textbook and teaching resource**

The teacher will provide educational material

## **Semester**

2° semester

## **Assessment method**

*In itinere*

Written test aimed at evaluating global comprehension of the course program.

One open question concerning a subject of the program (max 6 points).

Multiple choice test with only one correct answer (among 4). Each correct answer is scored 1,5.

If the student has not reached the required level, he/she will have to repeat the test.

## **Office hours**

By appointment

---