



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Biochemistry

2324-1-H4102D088-H4102D023M

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#### Aims

Students will be able to understand the basic biochemical techniques, to prepare a biochemistry assay of protein, lipid or sugar, under the supervision of qualified laboratory staff and by using an "on-field" approach. A journal club activity on recent scientific literature will be proposed. The last lesson will consist of the discussion of clinical cases based on the biochemical knowledge learned during the course "Biochemistry I".

#### Contents

The students are introduced to the main biochemical techniques and to the instruments, reagents, and materials needed for biochemistry assays (e.g. protein analysis).

#### Detailed program

Measurement of glucose serum concentration

Protein assay

Electrophoresis and western blotting

Journal club

Clinical cases

## **Prerequisites**

College-level scientific knowledge

## **Teaching form**

theoretical introduction of the technique's principle by frontal lecture followed by laboratory experience and/or classroom group activities

## **Textbook and teaching resource**

Textbook of biochemistry with clinical correlations, TM Devlin

## **Semester**

1st year, 2nd semester

## **Assessment method**

Assessment of the suitability on the basis of attendance/participation in the laboratory activities. Knowledge and skills will be further assessed during the "Biochemistry I" examination, with the modalities there described.

## **Office hours**

on appointment

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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