



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Biochemistry

2021-1-H4102D008-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. 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

Protein assay

Electrophoresis and western blotting

Sugar assay: Blood sugar level

Clinical cases

**Prerequisites**

College-level scientific knowledge

**Teaching form**

theoretical introduction of the technique's principle by frontal lecture followed by laboratory experience

**Textbook and teaching resource**

Textbook of biochemistry with clinical correlations, TM Devlin

**Semester**

2nd

**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

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