



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Biochemistry

1819-1-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 in the discussion of clinical cases based on the biochemical knowledge learned during the course "Biochemistry"

#### Contents

The students are introduced to the main biochemical techniques and to the instruments, reagents and materials needed for biochemistry assay (to analyse protein, lipid and sugar).

#### Detailed program

Protein assay.

Lipid assay: Thin Layer Chromatography (TLC)

Sugar assay: Blood sugar level

Clinical cases discussion.

#### Prerequisites

College-level scientific knowledge

## **Teaching form**

laboratory practice

## **Textbook and teaching resource**

Textbook of biochemistry with clinical correlations, TM Devlin

## **Semester**

2nd term

## **Assessment method**

Assessment of the suitability on the basis of the attendance/participation to the laboratory activities. Knowledge and skills will be further assessed during the “Basic sciences” examination, with the modalities there described

## **Office hours**

See “Clerkship 2”

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