UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Biochemistry

1920-1-H4102D008-H4102D023M

Aims

Students will be able to the 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”