UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Analytical Techniques

2122-1-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

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

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

Office hours

By appointment