UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Occupational Health Laboratory

2122-2-I0302D028

Aims

Identification of occupational risks, related also to new technologies.
Methods and criteria for the assessment of industrial hygiene and for exposition monitoring. Knowledge of the main analytical techniques used in the Occupational Health laboratory, in particular Atomic-Absorption Spectroscopy

Contents

Evolution of the role of Occupational Health laboratory.

Fundamentals of Industrial hygiene, ergonomics and occupational toxicology

Detailed program

- Story of man-work relationships.
- Securities laws.
- Ergonomics and its evolution.
- Man-sized design.
- Biological markers of exposition, effects, and susceptibility and related methods.
- Exposition monitoring.

- Principles and applications of AAS.
- New research frontiers: stress and nanotechnologies

Prerequisites

2nd year degree Biomedical Laboratory Technician

Teaching form

Lectures and attendance at Occupational Health Department

Textbook and teaching resource

The Teacher will provide educational materials

Semester

Second semester

Assessment method

Attendance

Office hours

By appointment required by mail.