



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Occupational Health Laboratory

2021-2-I0302D028

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#### 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.

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