UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Anesthesiology

2425-2-I0301D008-I0301D032M

Aims

The integrated course of Anesthesiology aims to provide students with a basic understanding of anesthesiology techniques within the context of applications in the biomedical laboratory.

Contents

students will be introduced to the basic principles of resuscitation techniques, providing them with essential knowledge to intervene in cardiorespiratory, respiratory, and neurological emergencies, including the application of local and systemic anesthetic drugs according to first aid protocols.

Detailed program

The **Anesthesiology** module will delve into the causes and management of emergencies such as shock, acute respiratory failure, and acute alterations in consciousness state. Students will gain practical skills in resuscitation techniques and basic principles of first aid. Mechanisms of action of local anesthetics will be studied, with an overview of more advanced techniques such as general anesthesia and sedoanalgesia.

Prerequisites

Knowledge related to prerequisite courses as indicated in the degree course regulations.

Teaching form

For the Anesthesiology module, lectures will focus on active discussion of proposed clinical cases, supported by teaching materials provided by instructors.

All lectures will be delivered in Italian, with the inclusion of audiovisual materials occasionally in English.

During teaching sessions, discussions on gender differences in drug response and anesthesiology will be promoted, contributing to raising awareness among students about these important considerations in biomedical laboratory technique practice.

Textbook and teaching resource

• "Elements of Anesthesiology and Intensive Care" by Ranieri, Mascia, Terragni, Urbino (C. G. Medico Scientifiche Editions).

In addition to the recommended textbooks, Teachers will provide supplementary materials including slides used during lectures and any other relevant material to deepen the topics covered in the course.

Semester

The course will be delivered in the second year of the study program, during the second semester.

Assessment method

Tmultiple-choice questions: 11 questions

Office hours

Teachers will meet by appointment, both in person and online.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING