UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Basic Sciences

2223-1-H4101D252

Aims

The course aims to provide the student with the tools necessary for understanding vital processes at the molecular level and the theoretical-practical basis for the study and characterization of the human proteome and to identify the cause-effect links of the most relevant chemical and physical processes for the curriculum of studies and the profession of the doctor.

Contents

The main contents of the course are listed below.

Electrostatics, electrodynamics, radiation physics, optics, thermodynamics, biomechanics, fluid mechanics, electrostatics and electromechanics, radiation physics and biological effects of radiation, principles of proteomics.

Detailed program

The extended program is detailed in the description of each module that compose the course

Prerequisites

Basic knowledge of physics and mathematics

Teaching form

Lessons will be provided in presence, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

The teaching resources are listed in the description of each module that compose the course

Semester

First year, first semester

Assessment method

Written with quiz and open questions. Possible oral evaluation

Office hours

By appointment, arranged by e-mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING