UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Radiation Physics

2021-2-I0202D125-I0202D063M

Aims

Basic concepts of radiation physics, basic concepts of radioprotection

Contents

RADIATION PHYSICS: X-ray and radioactivity. Overview of radiation protection and biological effects of ionizing radiations.

Detailed program

RADIATION PHYSICS

? X Rays

? Radioactivity

? Alpha, beta and gamma decay

? Interaction of radiations with matter

? Overview of radiation protection

? Biological effects of ionizing radiations

Prerequisites

Objectives of the first year courses

Teaching form

Lectures.

In the Covid-19 emergency period, lessons will be held remotely asynchronously with synchronous videoconferencing events

Textbook and teaching resource

1. D. Scannicchio, Fisica Biomedica, EDISES

2. D. Scannicchio, Esercizi e problemi di Fisica, Edizioni Unicopli

Semester

First semester

Assessment method

Written exam: quizzes with single / multiple choice and open questions with brief answer.

Final oral exam at the discretion of the teacher or on the student's proposal regarding the project

During the Covid-19 emergency period the exam will take place electronically with proctoring control.

Office hours

You receive by telephone appointment