UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Radiation Physics

2021-1-I0201D132-I0201D135M

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.

Textbook and teaching resource

1. D. Scannicchio, Fisica Biomedica, EDISES

Semester

Secondf semester

Assessment method

In the Covid-19 emergency period, written exams will be carried out on the ESAMI-ONLINE platform, with a proctoring system (RESPONDUS). Multiple choice test comprising 5 questions with only one correct answer and Open questions

Oral test (optional, on evaluation of the teacher). During the Covid-19 emergency period, oral exams will only be online. They will be carried out using the WebEx platform and on the e-learning page of the course there will be a public link for access to the examination of possible virtual spectators.

Office hours

You receive by appointment requested by email