

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

## **SYLLABUS DEL CORSO**

## Fisica delle Radiazioni

2425-1-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 in attendance

# Textbook and teaching resource

1. D. Scannicchio, Fisica Biomedica, EDISES

#### Semester

Secondf semester

#### **Assessment method**

#### Office hours

You receive by appointment requested by email

# **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING