

## COURSE SYLLABUS

### Radiation Physics

2526-1-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

---