UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## Training III

**2425-3-I0303D016**

### Aims

NUCLEAR MEDICINE: the equipment: the Gamma Camera, Single Photon Emission Scintigraphy (SPECT), Positron Emission Tomography (PET). The preparation of radiopharmaceuticals.
Reception and positioning of the patient; the execution of scintigraphic examinations and PET and PET/CT investigations.
RADIOTHERAPY: the equipment: the Simulator, the CT, the linear accelerator. Patient reception; patient positioning and immobilization methods; the setting of the radiotherapy treatment; carrying out the treatment.
HEALTH PHYSICS: Quality controls on equipment, radiation protection of patients and operators.
RADIODIAGNOSTICS: diagnostic techniques of conventional planar, contrastographic and dedicated radiology, CT and Magnetic Resonance.

### Contents

By the end of the third year of training, the students will be able to conduct Nuclear Medicine diagnostic investigations and Radiotherapy treatments, knowing the functioning of equipments and the procedures for processing and archiving of produced images.
The students will also be able to respect and apply the standards of radioprotection for patients and workers.
They will know conventional, dedicated, contrastographic radiological techniques and CT and MRI diagnostic techniques.

### Detailed program

## Prerequisites

## Teaching form

Traineeship

## Textbook and teaching resource

## Semester

First and second semester

## Assessment method

Oral examination

## Office hours

By appointment required by mail

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION