UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Radiation Physics and Diagnostic Imaging

**2324-1-I0201D132**

## Aims

The course aims to provide the student with the basic knowledge of diagnostic imaging in physiotherapy.
At the end of the course the student will have acquired knowledge of:

- diagnostic imaging techniques, in terms of physical principle, instrumentation characteristics and image formation process

- basic notions of radiation physics and radiation protection

- basic knowledge of neuroradiological methods in the physiotherapy field, their indications for use as well as elements of neuroradiological semeiotics in the physiotherapy field

## Contents

Basic notions of radiation physics, radiation protection and diagnostic imaging techniques, in terms of physical principle, characteristics of the instrumentation and image formation process. Limits and specific applications of neuroradiological instrumental investigation techniques in the physiotherapy field

## Detailed program

Written in each module

## Prerequisites

## Teaching form

Lectures in attendance

## Textbook and teaching resource

handsout

## Semester

2nd semester

## Assessment method

Single-answer Quiz exam with 5 answers of which only one is correct, Open-ended Questions. Or oral exam based on teacher evaluation.
The correctness and consistency of the answers with respect to the question asked will be evaluated.
No intermediate evaluations

## Office hours

appointment

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING