



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Information Processing

2223-2-I0202D141-I0202D145M

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#### Aims

Provide the student with the basic knowledge on image diagnostics

#### Contents

- Diagnostic imaging techniques, in terms of physical principles, instrumentation and image formation process.

#### Detailed program

- Conventional Radiology
- Computed Tomography
- Echography
- Anatomic, functional and diffusion-weighted Magnetic Resonance
- Scintigraphy and Single Photon Emission Computed Tomography
- Positron Emission Tomography

#### Prerequisites

Physics basic knowledge

## **Teaching form**

Lectures

In the Covid-19 emergency period, lessons will be held remotely asynchronously with synchronous videoconferencing events

## **Textbook and teaching resource**

Slides presented during the course

## **Semester**

Second semester

## **Assessment method**

Written test made by two open questions

During the Covid-19 emergency period the exam will take place electronically with proctoring control.

## **Office hours**

By appointment fixed by e-mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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