



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Bioingegneria Elettronica e Informatica B

2324-4-H4101D020-H4101D080M

---

#### Aims

Provide students with the basic knowledge on diagnostic imaging techniques, in terms of physical principles, instrumentation and image formation process.

#### Contents

Image diagnostics instrumentation

#### Detailed program

Physical principles, instrumentation and image formation in:

- Conventional Radiology
- Computed Tomography
- Echography
- Magnetic Resonance
- Scintigraphy and Single Photon Emission Computed Tomography
- Positron Emission Tomography

#### Prerequisites

Physics basic knowledge

## **Teaching form**

Lessons

## **Textbook and teaching resource**

Slides presented during the course

## **Semester**

Second semester

## **Assessment method**

4 multi-choice quiz on image diagnostics techniques, inside the whole course exam, and 1 oral question.

## **Office hours**

By appointment fixed by e-mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

---