



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Bioengineering, Electronics and Informatics

2425-1-I0201D132-I0201D198M

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#### Aims

Provide the student 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**

Lectures in attendance

## **Textbook and teaching resource**

Slides presented during the course

## **Semester**

Second semester

## **Assessment method**

The course exam consists of 2 open questions. Each question is given a score between 0 and 15. Laude is assigned in case of particularly deserving tests.

## **Office hours**

By appointment fixed by e-mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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