



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Sistemi di Elaborazione delle Informazioni

1920-2-I0201D110-I0201D047M

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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

**Textbook and teaching resource**

Slides presented during the course

**Semester**

First semester of the second year

**Assessment method**

Written test made by two open questions

**Office hours**

By appointment fixed by e-mail

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