UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Bioengineering, Electronics and Informatics

2223-1-I0201D132-I0201D198M

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