

UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Bioengineering, Electronics and Informatics

2122-1-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 or via such according to University indications due to the pendemic emergency
Lectures in attendance or via web according to University indications due to the pandemic emergency
Textbook and teaching resource
Slides presented during the course
Semester
Second semester
Assessment method
Written test made by two open questions
written test made by two open questions
In the Covid-19 emergency period, written exams will be carried out on the ESAMI-ONLINE platform, with a proctoring system (RESPONDUS).
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Office hours
By appointment fixed by e-mail
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