

SYLLABUS DEL CORSO

Bioingegneria Elettronica e Informatica B

2122-4-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 will be provided in presence, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Slides presented during the course

Semester

Second semester of the fourth year

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
