



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Electronic and Informatics Bioengineering A

2122-4-H4101D020-H4101D079M

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#### Learning objectives

Provide the student with the tools to deepening the techniques of Diagnostic Imaging in radiology, nuclear medicine and radiotherapy.

#### Contents

Procedures for radiodiagnostic examinations (Rx, CT, MRI) and departmental visit with discussion of clinical cases

Procedures for nuclear medicine examinations and discussion of nuclear medicine examinations in classroom and in the nuclear medicine department - PET

#### Detailed program

Procedures for radiodiagnostic examinations (Rx, CT, MRI) and departmental visit with discussion of clinical cases

Procedures for nuclear medicine examinations: indications, patient preparation, execution and examination, reporting (with discussion of clinical cases of bone scintigraphy, myocardial SPET and oncological PET studies).

Discussion of planar scintigraphic examinations (static, dynamic and gated acquisitions) in the nuclear medicine department - PET

Discussion of SPET and PET examinations and visit to the Nuclear Medicine - PET department

## **Prerequisites**

None

## **Teaching methods**

Lessons and exercises provided in presence, subject to any ministerial changes following the COVID pandemic situation

## **Assessment methods**

During the final global examination of the course (cfr. Syllabus)

## **Textbooks and Reading Materials**

Not expected

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