UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Electronic Bioengineering and Informatics

2223-1-I0101D003-I0101D012M

Aims

The course aims to provide students with the main elements of diagnostic imaging and applications of the main radiologic and nuclear medicine imaging techniques

Contents

The course aims to provide students with the core subjects related to physic of radiation, radiologic and CT imaging techniques, conventional nuclear medicine and SPET and PET, Magnetic resonance an ultrasound imaging.

Detailed program

Overview of radiation physics. X-ray conventional radiology. X-ray Computed Tomography (CT). Conventional nuclear medicine. Single Photon Positron Emission Tomography (SPECT). Positron Emission Tomography (PET). Magnetic Resonance. Ultrasound.

Prerequisites

None

Teaching form

Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Slides from lessons

Suggested textbook: Francesco Giovagnorio. Manuale di diagnostica per immagini nella pratica medica. Soc. Ed. Esculapio.

Semester

First year - First semester

Assessment method

Multiple choice questions, of which only one is correct, integrated in the Igiene, Medicina del Lavoro e Statistica MedicaHygiene, Labor Medicine and Medical Statistics exam aimed at verifying the knowledge on the topics of the module's program.

Office hours

On appointment by e-mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY