

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

## **COURSE SYLLABUS**

## Radiopharmaceuticals

2122-3-I0303D036-I0303D050M

## **Aims**

Learn the fundamental aspect of chemical classification, mechanism of action, general safety and approved clinical indications of radiopharmaceuticals used in Nuclear Medicine.

### **Contents**

The course aims to provide students with basic knowledgeon biological and kinetics and safety properties of radiopharmaceuticals used in Nuclear Medicine.

## **Detailed program**

Fundamental of pharmacological and regulatory basis of radiopharmaceuticals used in diagnostic or therapy: physico-chemical properties; stability, pharmacokinetics and mechanism of action; approved clinical indication, safety, and Summary of Product Characteristics. Students will learn how to prepare radiopharmaceutical doses and how to perform quality control test.

## **Prerequisites**

## **Teaching form**

Lectures

## Textbook and teaching resource

The teacher will provide other educational materials

## Semester

First semester

#### **Assessment method**

The **written test** includes 25 multiple choice questions (1 correct answer among 5 options) about the topics of the course and 3 exercises about Radicohemistry. The written test is evaluated with a mark ranging from 0 to 30. If the mark is superior to 18/30, the oral test will follow.

The **oral test** consists in the evaluation of the knowledge acquired among the course topics through open questions, possibly related to the mistakes made during the written test.

#### Office hours

By appointment required by mail