



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Radiochemistry

2021-3-I0303D036-I0303D049M

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#### Aims

The student should know the general principles of radioactive decay, the methods for the production and the use of radionuclides in medicine

#### Contents

The aim of the course is to provide students with the basic principles of Radiochemistry and of radionuclides in medicine

#### Detailed program

Introduction to the decay equations and modes; methods for the production of radionuclides, the radionuclides in medicine; methods for the preparation of radiopharmaceuticals; aseptic preparation; fundamentals in radiopharmaceutical legislation; exercises.

#### Prerequisites

## Teaching form

Exercises

## Textbook and teaching resource

The Teacher will provide educational materials

## Semester

First semester

## Assessment method

The **written test** includes 25 multiple choice questions (1 correct answer among 5 options) about all the topics of the course. 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

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