

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

## **COURSE SYLLABUS**

## **Radiotherapy Instruments**

2526-3-I0303D015-I0303D064M

#### **Aims**

The students should know the technological basics of the Radiotherapy equipments, necessary to carry on their profession

#### **Contents**

The course aims to provide students with the knowledge of Radiotherapy equipments

## **Detailed program**

CT simulator
Brachytherapy
Intensity Modulated Radiotherapy (IMRT)
Radiosurgery (Stereotaxis, Gamma-knife, Cyber-knife)
Helical radiotherapy and tomotherapy
Image-Guided Radiotherapy (IGRT)
Adaptive radiotherapy
Intraoperative Radiotherapy (IORT)
Proton therapy and hadrontherapy

## **Prerequisites**

Lloolth.	Caro and	Diococo	Prevention
Health.	Care and	Disease	Prevention

## **Teaching form**

4 frontal lessons of 2 hours carried out in attendance

## Textbook and teaching resource

Teacher will provide educational materials

#### Semester

First semester

## **Assessment method**

Monza

Oral interview

Bergamo

Multiple-choice questions and oral interview

#### Office hours

By appointment required by mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION