



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Radiotherapy Instruments

2425-3-I0303D015-I0303D064M

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#### 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

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**

Multiple choice questions and oral exam

### **Office hours**

By appointment required by mail

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

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