



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Radiobiology

2425-1-I0303D005-I0303D017M

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#### Aims

The student should be able to know and describe the Radiobiologic effects at atomic, molecular, biomolecular, cytologic and hystologic levels.

#### Contents

Aim of the teaching is to give students the knowledge about the biological effects of ionizing radiation.

#### Detailed program

The biological effects of radiation at the atomic, molecular, cellular, tissue and clinical levels. Characteristics of ionizing radiation and their interaction with matter. Cell survival curves. Stochastic and deterministic effects. Radiation oncogenesis.

#### Prerequisites

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## **Teaching form**

4 frontal lessons of 2 hours carried out in attendance

## **Textbook and teaching resource**

The Teacher will provide educational material.  
Elementi di Radiobiologia e radioprotezione. Giuseppe Guglielmi. PICCIN editore.

## **Semester**

Second semester

## **Assessment method**

10 multiple choice questions to check your preparation on the exam programme

## **Office hours**

By appointment required by mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

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