



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Radiobiology

2627-1-I0305D004-I0305D00404

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

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
