



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### History of Radiology and Nuclear Medicine

2425-2-I0303D024

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#### Aims

Following the path of physical and chemical knowledge and experience that led to the birth of Radiology and Nuclear Medicine.

#### Contents

From the discovery of electromagnetism to the scientific activity of Roentgen to the latest healthcare applications.

#### Detailed program

Studies on electromagnetism between 600 and 700, electrodynamics research of the nineteenth century, the scientific work of the physicist C. Röntgen: the discovery of X-rays in the context of European culture between 800 and 900; immediate developments of this discovery and its medical and biological applications.

The first steps of diagnostic radiology and radiation therapy up to the several applications in the most recent period; the toxic effects of radiant energy; the radiation protection.

The discoveries in the field of natural and artificial radioactivity and the research with the use of radionuclides both in diagnosis and therapy.

The development of Radiology and Nuclear Medicine in Italy.

**Prerequisites**

2nd year degree Imaging and Radiotherapy Techniques

**Teaching form**

Lectures

**Textbook and teaching resource**

The Teachers will provide educational materials

**Semester**

Second semester

**Assessment method**

Attendance

**Office hours**

By appointment required by mail.

**Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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