UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

History of Radiology and Nuclear Medicine

2021-2-I0303D024

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. Rontgen: 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.