



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Digital Systems and Quality Controls

2324-1-I0303D006-I0303D021M

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#### Aims

The course aims to provide students with knowledge of main digital radiological equipment, and Quality Controls

#### Contents

The student will learn main components of digital radiological equipment, physical and technological basis of diagnostic radiology; quality controls in diagnostic Imaging

#### Detailed program

Differences between intensifying screen and shields for photostimulable luminescence. Photostimulable phosphors used in digital radiography.

Computed radiography. Analogical-digital conversion, the pixel and voxel, direct digital systems

Quality Controls of radiological equipment and diagnostic imaging.

#### Prerequisites

Organs and Functions

## **Teaching form**

Lectures, exercises

## **Textbook and teaching resource**

F.MAZZUCATO: "Anatomia Radiologica. Tecniche e Metodologie in Radiodiagnostica" Ed.Piccin

R.PASSARIELLO "Radiologia, Elementi di Tecnologia". Idelson Gnocchi

Teachers will provide other educational material.

## **Semester**

Second semester

## **Assessment method**

## **Office hours**

By appointment required by mail

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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