



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Igiene, Medicina del Lavoro e Statistica Medica

2324-1-I0102D003

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#### Aims

Learn the tools and concepts of public health.

Acquisition of the basic elements of Occupational Health with particular regard to aspects related to the training and information of workers to the specific occupational risks of the health sector. Learn the tools and concepts of descriptive statistics.

Provide the student with the main knowledge related to biological risk, radiation physics principles, exposure modes and radiation protection principles.

Provide the student with the main knowledge related to diagnostic imaging and use of the main radiological and nuclear medical imaging methods.

#### Contents

Introduction to public health; the evolution of the concept of health; demographic and epidemiological evolution; principles and concepts of public health; primary prevention.. Main knowledge of descriptive statistics.. Radiation physics, biological risk, methods of exposure and radiation protection principles.. Main knowledge related to radiation physics, imaging modes in conventional radiodiagnostic and CT, conventional nuclear medicine, SPET and PET, magnetic resonance and ultrasonography.

#### Detailed program

The detailed program can be found in the Syllabus of the individual modules that compose the course.

## **Prerequisites**

None

## **Teaching form**

Lessons and trainings.

## **Textbook and teaching resource**

The bibliography can be consulted in the Syllabus of the individual modules that compose the course. The teaching materials (slides, work tracks, scientific articles, etc.) will be uploaded on the e-learning page dedicated to the individual modules.

## **Semester**

1st year-1st semester

## **Assessment method**

The detailed Assessment method can be found in the Syllabus of the individual modules that constitute the course.

## **Office hours**

On appointment

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

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