SYLLABUS DEL CORSO

Statistica Medica

2021-1-I0101D003-I0101D010M

Aims

The course aims to provide students with the main elements of hygiene, general occupational health and descriptive statistics.

Contents

The course aims to provide students with the core subjects related to: general topics about hygiene; disease causes and risk factors; occupational health; personal protective equipment; manual handling of patients; biohazard; notes on physics of radiation, exposure mode and principles of radiation protection; fundamentals of descriptive statistics.

Detailed program

MEDICAL STATISTICS - Quantitative-qualitative variables. Series in statistics. Graphical representation of a distribution. Position index of a distribution. Index of dispersion of a distribution. Scatter diagrams. Index association between two quantitative values. Reliability of a measure, random and systematic errors. Index of precision and accuracy. Definition of Gaussian density. Approximation of a histogram using the Gaussian distribution. Definition of standardized Gaussian density and uses

Prerequisites

Teaching form

Lectures and exercises.

Textbook and teaching resource

Textbook and teaching resource
Fowler J., Jarvis P., Chevannes M. (2006) Statistica per le professioni sanitarie, EdiSES;

Semester

first year- first semester

Assessment method

Written examination: test with single choice, multiple choice and open ended questions.

Office hours

on request by email