



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Statistica Medica

2425-1-I0302D050-I0302D003M

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#### Aims

The general aims of the course are to provide students with basic knowledge of Medical Statistics, necessary to carry on their profession.

#### Contents

The aim of the course is to provide students with basic knowledge of Medical Statistics for the final purpose of application in their professional area. The course is focused on the core of descriptive statistics and of probability theory.

#### Detailed program

Types of variables. Tables and graphs. Indices of position and dispersion. Measurement errors: precision and accuracy. Probability: conditional probability independence, probability of the union and intersection of events. Random variables and probability distributions: Binomial and Gaussian. Correlation and regression.

#### Prerequisites

Elementary notions of mathematics

## Teaching form

Lectures

## Textbook and teaching resource

- Teaching materials provided by the instructor
- Fowler J., Jarvis P., Chevannes M., *Statistica per le professioni sanitarie*, 2006 Edises
- Bland M., *Statistica medica*, Apogeo Education, Maggioli Editore, 2019

## Semester

First semester

## Assessment method

Written test:

- 2 Open response questions (with numerical exercises);
- 13 Single-answer quiz with 4 answers, of which only one is correct.

## Office hours

On appointment agreed with the instructor (Stefania Galimberti)

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING

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