



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Research and Public Health

2425-4-H4102D059

Aims

The course in Clinical Research and Public Health aims to provide students with a comprehensive understanding of the principles, methods, and applications of clinical research, public health practices, epidemiology, and biostatistics.

Contents

The course explores key concepts in public health, including epidemiology, preventive medicine, and biostatistics. Overall, the course offers an understanding of the distribution and determinants of health and disease in populations and analytical methods to describe the health of a population. It covers descriptive and analytical epidemiology, applications of epidemiological methods to investigate outbreaks, identify risk factors, and evaluate interventions, and an understanding of the principles of health promotion and disease prevention. It also provides principles of clinical research, including basic concepts in survival analysis and causal inference methods to assess the association between exposure and survival outcomes in observational studies.

Detailed program

See each didactic unit

Prerequisites

Basic descriptive and inferential statistics for the Clinical Research unit.

Teaching form

The course will be conducted in English, and all activities will take place in person. A blended learning approach will be utilized. For details on the specific teaching methods, please refer to the syllabus of each teaching unit.

Textbook and teaching resource

Slides and other teaching resources that will be made available on the e-learning platform.

Semester

Second semester

Assessment method

Written exam, including multiple choice questions and exercises, with the aim of testing the overall competence acquired on the program

Office hours

Upon request by email

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION
