UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Epidemiology and Health Tecnology Assessment

2627-1-K0102D001-K0102D00102

Aims

The course aims to provide students with the fundamental principles and key concepts of Epidemiology and Public Health.

Contents

Introduction to Public Health; the concept of health; healthcare demand and health needs; principles, concepts, and methods of epidemiology; principles and concepts of public health; public health strategies, including primary, secondary, and tertiary prevention; Health Technology Assessment (HTA).

Detailed program

Introduction to Public Health and the concept of health; healthcare demand and health needs; principles, concepts, and methods of epidemiology; epidemiology of the major diseases and their determinants; health information systems and data sources; principles and concepts of Public Health; public health strategies, including primary, secondary, and tertiary prevention; the role of Public Health within healthcare systems; financing and delivery of public health services. The course will also examine the main epidemiological methods used to assess population health and evaluate the effectiveness of healthcare interventions. In addition, students will be introduced to the principles and methods of Health Technology Assessment (HTA), with particular emphasis on the clinical, economic, organizational, ethical, and social evaluation of health technologies as a tool to support healthcare decision-making and service planning.

Prerequisites

None.

Teaching form

5 lectures, 4 hours each, delivered in person and 1 lesson of 4 hours delivered remotely.

Textbook and teaching resource

Signorelli C (editor). Igiene e Sanità Pubblica. SEU, Roma, 2017
Texts provided by the teacher.

Semester

First year, first semester

Assessment method

Written test with closed-ended questions (with multiple choice) and short essay (exposition of topics covered in class).

Office hours

By appointment, arranged via email with the teacher.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | DECENT WORK AND ECONOMIC GROWTH