UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# SYLLABUS DEL CORSO

## Clinical Decision Support Systems

**2425-3-H4102D045**

### Aims

To know and understand the clnical decision support systems from the physician's point of view, with particular reference to a critical analysis of the assumptions and the used data.

### Contents

1. underlying principles of decision support systems in medicine
2. analysis of real systems from the physician's point of view

### Detailed program

1. decision support systems in medicine
2. patient-specific prediction
3. optimization approaches
4. statistical tools
5. validation of the tools
6. analysis of real systems from the physician's point of view

### Prerequisites

General idea of decision making in medicine.

Basic mathematical knowledge.

## Teaching form

Lectures and working groups for the analysis of systems from literature.

## Textbook and teaching resource

Slides and scientific papers.

## Semester

Second semester.

## Assessment method

Classroom discussion on examples of clinical decision support systems.

## Office hours

Contact by e-mail.

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING