UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# SYLLABUS DEL CORSO

# Psicometria

**2627-1-K0102D001-K0102D00103**

## Aims

The course aims to provide students with the fundamental theoretical and methodological principles of psychometrics, with particular emphasis on the development, validation, and application of measurement instruments in healthcare, nursing, and clinical research. The course also aims to develop students' ability to critically interpret the psychometric properties of measurement instruments and to select the most appropriate tools for clinical practice and research.

## Contents

Fundamentals of psychometrics; measurement of healthcare-related constructs; measurement scales; reliability and validity; development and cross-cultural adaptation of measurement instruments; analysis of psychometric properties; application of psychometrics in nursing and midwifery research.

## Detailed program

The theoretical principles and foundations of psychometrics. The concepts of variables and measurement, types of scales, and levels of measurement will be explored. The main quality indicators of measurement instruments will be analyzed, with reference to reliability and validity (content, criterion, and construct). The development, cultural adaptation, and validation processes of psychometric instruments will be illustrated, as well as the main methods for statistically analyzing psychometric properties. The course will promote a critical reading of the scientific literature on measurement instruments.

## Prerequisites

None.

## Teaching form

2 lectures and practical exercises, 4 hours each, delivered in person.

## Textbook and teaching resource

Provided by the teacher.

## Semester

First year, first semester.

## Assessment method

Open-ended questions and/or multiple-choice tests.

## Office hours

By appointment, arranged via email with the teacher.

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | REDUCED INEQUALITIES