

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

### **COURSE SYLLABUS**

# Approfondimenti di Statistica Medica per la Ricerca Clinica

1819-5-H4101D248

#### **Aims**

Extend the methodological and statistical knowledge through the critical assessment of clinical protocols and scientific papers.

#### **Contents**

The most relevant features in the design of a clinical trial and the methodological key points that guide the set-up of a study protocol will

be addressed.

Measures of treatment effect will be described with the inferential procedures to test treatment effects (or prognostic factors) discussing the difference between statistical significance and clinical relevance. Methods that deal with the analysis of contingency tables and regression models

will also be explained. The main principles and methods will be illustrated and further elaborated based on examples from the scientific literature.

### **Detailed program**

### **Prerequisites**

5th year Medical School and over; 2nd year of Nursing and Midwifery Studies

# **Teaching form**

Lectures

The course consists of four 2-hour long seminars.

### Textbook and teaching resource

### Semester

### **Assessment method**

Discussion during the lectures

### Office hours