

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

# SYLLABUS DEL CORSO

# Metodi Quantitativi per l'Amministrazione delle Imprese

2324-1-E1802M115

# Learning objectives

Economic disciplines deal with a variety of quantitative phenomena, often showing different characteristics. Thus, the course aims at providing a set of mathematical and statistical methods to deal with such complex phenomena. First, students will be provided with the bases to treat simple mathematical models in economics. Second, students will get the ability of locating and applying the suitable statistical tool to summarize single phenomena or their relations. To fulfill this double purpose, the course is partitioned in the modules of mathematics (Matematica Generale I) and statistics (Statistica I).

# Contents

Real functions of real variables. Main elements of univariate and bivariate descriptive statistics.

# **Detailed program**

See the dedicated sections of each module.

# Prerequisites

Algebra and analytic geometry at an elementary level.

# **Teaching methods**

Frontal lessons (theory and examples). Practical sessions (exercises).

#### **Assessment methods**

Students can do a partial test for each module. The final mark is obtained as weighted average of the partial tests, according to the credits (CFU) of each module.

# **Textbooks and Reading Materials**

See the dedicated sections of each module.

#### Semester

First and second semester.

# **Teaching language**

Italian.

# **Sustainable Development Goals**