



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Mathematics & Statistics (crash course)

2122-106R-MS

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#### Title

Mathematics & Statistics (crash course)

#### Teacher(s)

Caterina Liberati (UNIMIB)

#### Language

English

#### Short description

Essential prerequisite: knowledge of univariate descriptive statistics.

- The notion of real function, Linear and quadratic functions, Logarithmic and exponential functions
- Derivatives
- Basics of Matrix algebra

- . Element of Probability Theory
- . Inferential statistic: estimation and hypothesis testing

*Objectives:*

*The course aims to provide knowledges about the basic mathematical and statistical tools to the students so they can deal with simple empirical analysis.*

*Evaluation: Written exam*

### **CFU / Hours**

4 CFU - 32 hours

### **Teaching period**

1 year, 1 semester

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