



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Statistica Economica I

2526-1-E4103B007

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#### Learning objectives

The Economic Statistics course presents the main methods and tools for the statistical representation of the economic system. Concepts will be introduced, starting with those of value added, GDP, inflation (deflation and disinflation) and others necessary for understanding the economy.

Tools on index numbers or concentration indexes will also be presented that are useful for this understanding.

The course will also be an opportunity to show some misinterpretations of economic statistics that may be present in the public debate.

#### Contents

1. Economic Statistics and National Accounts
2. Economic circuit and intersectorial transactions
3. Index numbers and Consumer price indexes
4. Distribution and Inequality measures

#### Detailed program

- Economic Statistics and National Accounts.
- Added value and the GDP.
- international trade

- Index Numbers.
- Laspeyres and Paasche indexes.
- Properties of index numbers.
- Chained indexes.
- Consumer price indexes in Italy and Europe.
- Production price indexes and industrial production index .
- Poverty and Inequality measurement: introduction and definition according to World Bank.
- Inequality measurement and figures in Italy and Europe.
- Poverty measures and figures in Italy and Europe.

## **Prerequisites**

None

## **Teaching methods**

Up-front lessons, largely complemented by the analysis of official statistics and economic debate on the topic. The approach is "pen and paper".

## **Assessment methods**

Written exam in italian.

Students that do not master italian, please contact the instructor.

## **Textbooks and Reading Materials**

- compendio di statistica economica, edizioni simone.
- Methodological manuals by ISTAT.

you may also consider : - Enrico Giovannini, 2015, Le Statistiche Economiche, second edition, Il Mulino.

Extra reading among :

1. Darrel Huff : mentire con le statistiche

2. G.J. Jones : mentire con i grafici
3. Daniel Levitin : a field guide to lies in statistics
4. Campbell : flaws and fallacies in statistical thinking
5. Reinhardt : statistics done wrong
6. Blasland and Dilnot : the tiger that is not.

## **Semester**

First Semester.

## **Teaching language**

Italian

## **Sustainable Development Goals**

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