



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Statistica Economica I

2223-1-E4101B008

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#### Learning objectives

Students will be introduced to the main methodologies and tools for the quantitative representation of the economic system. In particular, the architecture of the official Italian economic statistics will be presented. The meaning and construction of official statistics in Italy and Europe will be discussed and their strength and weaknesses will be highlighted.

#### 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.
- Main Sources of Economic statistics.
- Classification of economic statistics and associated surveys.
- The Italian economic system: main aggregates and the GDP.
- Index Numbers.

- Laspeyres and Paasche indexes.
- Properties of index numbers.
- Fisher index.
- 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.

## **Assessment methods**

The exam is written and oral.

## **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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