



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Economic Statistics II

2526-2-E4101B014

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#### Learning objectives

First module:

- economic multiplier, how to compute an IO multiplier and interpret it properly.
- productivity.

Second module:

- labour force, sources and methods
- human capital,
- production and capital measures.

The teaching content is strongly related to the educational objectives of the course of study.

#### Contents

Module 1

Introduction : Social Accounting matrices

Multipliers

- IO multipliers
- multiplier computation ? Type 1, type 2, SAM,
- properties and limits of IO models,
- Other multipliers in use in Economy.

## Productivity

- Concepts and definitions : production, productivity, production function
- Total Factor productivity and the residual (Solow model).

## Module 2

Features of Economic statistics classifications and methods.

Economic system.

Definitions of Labour markets and sources.

Labour forces: occupation and unemployment.

Labour market analysis and human capital.

Measures of capital.

Measures of productive capacity.

## Detailed program

### Module 2

Features of Economic statistics classifications and methods.

Economic system.

Definitions of Labour markets and sources.

Labour forces: occupation and unemployment.

Labour market analysis and human capital.

Measures of capital.

Measures of productive capacity.

## Prerequisites

There is no formal course prerequisite, but the course is designed for students who know "economic statistics 1" course.

For module 1, sufficient knowledge of matrix computation is necessary, mostly matrix product.

For module 2 it will be appreciated the knowledge of fundamental concepts of inferential statistics and economic policy.

The basic knowledge of some among the main statistical packages it will be usefull.

## Teaching methods

Frontal lessons.

## Assessment methods

## **Textbooks and Reading Materials**

### **Module 1**

We will provide notes of the lecture. You can also refer to appunti di statistica economica, edizioni Simone.

### **Module 2**

They will be available notes and slides from the lessons.

- Statistica Economica - Paolo Mariani, Alessandro Zeli - PKE (2022)
- Statistica Economica - Santeusano, Storti - CUSL (2002)
- P. Mariani, Fonti e geografie per la statistica economica, CLEUP, 2006
- R. Guarini e F. Tassinari, Statistica Economica: problemi e metodi di analisi. Il Mulino, Bologna, 2000
- ISTAT notes and releases.

## **Semester**

Second semester.

## **Teaching language**

Italian.

Supporting texts will be provided mostly in Italian and English, occasionally in other languages as a courtesy to students who know them.

## **Sustainable Development Goals**

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