UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Economic Statistics II

2223-2-E4101B014

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.

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

- Conepts 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 2

They will be available notese and slides from the lessons.

- Statistica Economica - Paolo Mariani, Alessandro Zeli - PKE (2022)
- Statistica Economica - Santeusanio, 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, occasionnaly in other languages.

Sustainable Development Goals

NO POVERTY | QUALITY EDUCATION | DECENT WORK AND ECONOMIC GROWTH | INDUSTRY, INNOVATION AND INFRASTRUCTURE