Code: INF/01   **Credits: 4**
Matter: Computing for Economists
Main language of instruction: Italian
Other language of instruction: English

Teaching Staff

Head instructor
Prof. Carlo Drago - carlo.drago@unicusano.it

Introduction

1. Objective of the course :

The main objective of the course is to provide an introduction to the structure of computers. The main applications considered on the course are in economics, in business and in finance. In particular, the course will introduce to the document creation and also techniques to use spreadsheets in real cases using VBA programming. Among the languages considered on the etivities (applications) there will be Access, Octave and R which are widely used in economics and finance. The main feature of the course and of learning is the need for the student to work on real applications. The emphasis, in this case, is on the application of the concepts learned during the course which can be immediately reusable in professional economics contexts.

Objectives

2. Course Structure:

The course is organized in these parts:

1) Word.

2) Excel.

Etivities

1) Access.

2) Octave.

3) R.

To influence the rigor of learning the course contains a practical part consisting of the application of the concept learned over the course (etivities). The applied work will be discussed in class **which requires a previous work by the students**.

Competencies:

- Knowledge and understanding skills in Computing with economics applications.
- Ability to apply statistical knowledge and understanding to real cases and real problems.
- Ability to draw conclusions.
- Communication skills.
- Ability to learn.

3. *Programme of the course:*

Subject 1. Computing
Subject 2. Word
Subject 3. Excel
Subject 4. Etivities: Access, Octave and R

Evaluation system and criteria

The assessments of course is based on the following criteria:

I) **Final exam** (**100%** of grade):

This exam will have two parts:

1) A theoretical part based on Computing for economists

2) An applied part with question\questions on the etivities

Bibliography and resources

4. *Materials to consult:*

Lecture Notes and academic educational material of the course, books, other materials useful to learning agreed with the instructor.

5. *Recommended bibliography:*

The official guides for the computational environments studied during the course.