61340 - Econometrics: a Case Study

Información del Plan Docente

Academic Year	2017/18
Faculty / School	109 - Facultad de Economía y Empresa
Degree	525 - Master's in Economics
ECTS	3.0
Year	1
Semester	Second semester
Subject Type	Optional
Module	---

1.General information

1.1.Introduction

1.2.Recommendations to take this course

1.3.Context and importance of this course in the degree

1.4.Activities and key dates

2.Learning goals

2.1.Learning goals

2.2.Importance of learning goals

3.Aims of the course and competences

3.1.Aims of the course

3.2.Competences

4.Assessment (1st and 2nd call)

4.1.Assessment tasks (description of tasks, marking system and assessment criteria)

5.Methodology, learning tasks, syllabus and resources

5.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, student participation, practical activities and autonoomus work (preparation of classes, readings, problems). The practical part prevails over the theoretical one.

Computing resources will be used, especially GRETL, STATA and GAUSS.

61340 - Econometrics: a Case Study

5.2.Learning tasks

The course includes the following learning tasks:

- Lectures (20 hours): compulsory attendace
- Autonomous work (45 hours): preparation of coursework and assignments, and study
- Presentation and defense of assignments (10 hours): compulsory attendance

5.3.Syllabus

The course will address the following topics:

Topic 1. Introduction

Topic 2. Prices, inflation and Exchange rates

Topic 3. Labour market: structuralist models vs hysteresis

Topic 4. Economic cycles

Topic 5. Stochastic convergence

Topic 6. Public Sector models

5.4.Course planning and calendar

Provisional calendar of dates:

Topic	Dates
Prices, inflation and Exchange rates - Persistence - Fractional Integration - Threshold models - STAR models	2nd week February
Labour market: structuralist models vs hysteresis	4th week February

61340 - Econometrics: a Case Study

- Structural change - Bai-Perron methodology	
Economic cycles - Markov-Switching models - Cycle concordance - Cycle dating	2nd week March
Stochastic convergence - Unit root tests - Stationarity tests - Deterministic trends	4th week March
Public Sector models - Cointegration - Error correction mechanism - Johansen methodology	2nd week April
Presentation and discussion of assignments	May

5.5.Bibliography and recommended resources