Econometrics I

2010/2011

Professor: **Miguel A. Delgado**

Compulsory
ECTS credits: 5
Course: 1 º
Semester: 2 º

COMPETENCES AND SKILLS THAT WILL BE ACQUIRED AND LEARNING RESULTS:

It is assumed the student has the background in Probability and Statistics provided in the course Statistics (14857). The student is expected to get a good understanding of econometrics modelling as well as the implementation and foundations of asymptotic statistical inferences in the context of the linear model.

DESCRIPTION OF CONTENTS: PROGRAMME:

1. Econometric modelling, conditional expectations and related concepts (Chapter 1-2)
2. Basic asymptotic theory (Chapter 3)
3. Single-equation linear model and OLS estimation (Chapter 4)
4. Instrumental variables estimation of single-equation linear models (Chapter 5)
5. Especification testing (Chapter 6)
6. Estimating systems of equations by OLS and GLS (Chapter 7).
7. Simultaneous equation models (Chapter 8 and 9).

BASIC BIBLIOGRAPHY:

- Jeffrey M Wooldridge (2001) Econometric Analysis of Cross Section and Panel Data, MIT Prees, Cambridge, Massachusetts