SUBJECT TEACHING GUIDE

G944 - Applied Econometrics

Degree in Economics

Academic year 2016-2017

1. IDENTIFYING DATA					
Degree	Degree in Economics			Type and Year	Compulsory. Year 4
Faculty	Faculty of Economics and Business Studies				
Discipline	Subject Area: Econometric Methods Module: Training in Quantitative Methods				
Course unit title and code	G944 - Applied Econometrics				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. ECONOMIA
Name of lecturer	JOSE LUIS GALLEGO GOMEZ
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Other lecturers	NAMKEE AHN JUNG IGNACIO HERRERA ROJO LUIS ANTONIO ARTEAGA MOLINA

3.1 LEARNING OUTCOMES
- To get familiar with the stylized facts of both time series and cross section data.
- To learn the art of building macro- and micro-econometric models.
- To know how to use macro- and micro-econometric models to contribute to planning and decision taking.
- To gain skills to manage econometric software.

4. OBJECTIVES
To train students to understand, build and use macro- and micro-econometric models.

6. COURSE ORGANIZATION

CONTENTS	
1	Microeconometrics
1.1	Binary response models. Linear probability model. Logit and Probit models: specification, estimation, hypothesis testing, goodness of fit, prediction and interpretation. Applications.
1.2	Multiple response models. Ordinal outcomes. Ordered logit and probit models: specification, estimation, hypothesis testing, goodness of fit, prediction and interpretation, the parallel regression assumption. Nominal outcomes. Multinomial and conditional logit models: independence of irrelevant alternatives.
2	Macroeconometrics
2.1	Time series regression. Stationary and non-stationary models. Spurious regressions. Unit root test. Cointegration. Error correction model. Applications.
2.2	Vector autoregressive models. VAR and VEC models: specification, estimation, diagnosis and uses. Testing for multivariate cointegration. Identification problem.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Theoretical exam 1	Written exam	No	Yes	25,00
Practical exam 1	Laboratory evaluation	No	Yes	25,00
Theoretical exam 2	Written exam	No	Yes	25,00
Practical exam 2	Laboratory evaluation	No	Yes	25,00
TOTAL				100,00

Observations

The two parts in which the subject is divided are independent and, therefore, it is required to get an average score greater or equal to five in each part. Students who fail a part will have to attend the standard exam and, if necessary, the supplementary exam.

Students who wish to improve their continuous assessment note in one or both parts, may attend the standard exam. The final score of the corresponding part will be always the highest of the two notes.

Observations for part-time students

The evaluation method for part-time students will consist of a handwritten exam with theoretical and practical questions (interpretation of estimated macro- and micro-econometric models).

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

Hill, R.C., Griffiths, W.E., Lim, G.C. (2011) Principles of Econometrics, 4th ed., John Wiley & Sons, Inc.

Gallego, J.L. (2015) Apuntes de Econometría. Departamento de Economía, Universidad de Cantabria (moodle.unican.es).