Universidade Vigo

IDENTIFYING DATA				
Econometrics I				
Subject	Econometrics I			
Code	V03G100V01501			
Study programme	Degree in Economics			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	3rd	1st
Teaching language	Spanish English			
Department				
Coordinator	Álvarez García, María Begoña Fernandez-Jardón Fernandez, Carlos Maria			
Lecturers	Álvarez García, María Begoña Fernandez-Jardón Fernandez, Carlos Maria			
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General description	This course is an introduction to multiple regression methods for analyzing data in economics and related fields. Students learn how to conduct empirical studies, as well as how to analyze and interpret results from other empirical works.			

Competencies	
Code	
C1	Understand the basic mathematical tools required to formalize economic behavior.
C10	Ability to use technical tools to formulate simple models concerning economic variables.
D1	Respect civic and ethical values. Strong commitment to work ethic.
D5	Skill to make coherent and intelligible statements both in oral and written form.
D7	Critical and self-critical thinking.

Learning outcomes		
Expected results from this subject	Training and Learning Results	
Understanding of technical wools *econométricas basic from a theoretical point of view and applied.	C1	
I handle of technical wools and basic tools for wool quantification of wools relate between notable variables of him economic and business world.	C1 C10	
Capacity to tackle of effective way problems of him economic field using he instrumental *econométrico suitable.	C1 C10	D1 D7
Skill to argue and obtain conclusions of rigorous form from wool empirical evidence.		D5 D7

Contents	
Topic	
TOPIC 1: Econometric Modeling	Definition of Econometrics. Steps in empirical economic analysis. The structure of economic data
TOPIC 2: The Classical Linear Regression Model	Model specification. Assumptions. Mechanics and interpretation of Ordinary Least Squares. Properties of estimators. Goodness-of-fit. Hypotheses testing. Confidence intervals. Prediction. Dummy variables. Specification and data problems (omitted variable bias; inclusion of irrelevant variables; proxy variables; multicollinearity).
TOPIC 3: Violations of the Classical Assumptions	Heteroskedasticiy. Autocorrelation. Stochastic explanatory variables.

Planning

	Class hours	Hours outside the classroom	Total hours
Group tutoring	5	0	5
Autonomous troubleshooting and / or exercises	8	20	28
Practice in computer rooms	15	30	45
Master Session	20	30	50
Other	2	20	22

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Group tutoring	Tutorial sessions
Autonomous troubleshooting and / or exercises	Problems sets and tests.
Practice in computer rooms	Computer labs. The course will use the GRETL regression applications.
Master Session	Lectures

Personalized attention

Methodologies	Description
Group tutoring	Interviews that the student has with the teacher for advice and development of activities
Autonomous troubleshooting and / or exercises	The teacher provides guidance to students in problem-solving exercises.
Practice in computer rooms	Students are given individual feedback on their work.

Assessment

	Description	Qualification	Training and Learning Results	
Autonomous troubleshooting and / or exercises	Problem sets and tests.	15	C1 C10	D5
Practice in computer rooms	Exercises with real-world data. The course will use the econometric package GRETL.	15	C1 C10	D1 D5 D7
Other	Final exam.	70	C1 C10	D5

Other comments on the Evaluation

A minimum grade in the final exam may be required to pass the course.

Students who have participated during the term and failed the course can resit the final exam in July.

Exam schedules:

http://fccee.uvigo.es/calendario-exames-201718.html

Sources of information

Basic Bibliography

Wooldridge, JM, **Introduction to econometrics: A modern approach**, 5th, Cengage Learning, 2013

Fernández-Jardón, C. M, Verdugo, V. Cal, I., **Econometría Estática Aplicada.**, 1, Torculo, 1997

Novales, A., **Econometría.**, 5, McGraw-Hill., 2010

Greene, W.H. ., **Análisis Econométrico**, Prentice-Hall, 1998

Complementary Bibliography

Dougherty, C, **Introduction to econometrics**, 5th, Oxford University Press, 2016

Stock, JH and Watson, MW, **Introduction to econometrics**, 3th, Pearson, 2014

Recommendations

Subjects that it is recommended to have taken before

Other comments

Exam schedules: http://fccee.uvigo.es/calendario-exames-201415.html