# Universida<sub>de</sub>Vigo

### Subject Guide 2017 / 2018

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IDENTIFYIN	G DATA			
Econometri	cs l			
Subject	Econometrics I			
Code	V03G100V01501			
Study	Degree in			
programme	Economics			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	3rd	1st
Teaching	Spanish			
language	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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Web	http://faitic.uvigo.es/			
General	This course is an introduction to multiple regression r			
description	fields. Students learn how to conduct empirical studie other empirical works.	es, as well as how	to analyze and	interpret results from
Competenc	ies			
Code				
	rstand the basic mathematical tools required to formali			
	to use technical tools to formulate simple models con		c variables.	
D1 Respe	ect civic and ethical values. Strong commitment to worl	k ethic.		
D5 Skill t	o make coherent and intelligible statements both in ora	al and written for	m.	
D7 Critica	al and self-critical thinking.			
Learning ou				
Expected res	sults from this subject			Training and Learning Results

		neourco
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	C1	
variables of him economic and business world.	C10	
Capacity to tackle of effective way problems of him economic field using he instrumental	C1	D1
*econométrico suitable.	C10	D7
Skill to argue and obtain conclusions of rigorous form from wool empirical evidence.		D5
		D7

Contents	
Торіс	
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
5	0	5
8	20	28
15	30	45
20	30	50
2	20	22
	5 8 15	classroom   5 0   8 20   15 30   20 30   2 20

\*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.	

	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.	e 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

Basic Bibliography	
Wooldridge, JM, Introduction to econometrics: A modern approach, 5th, Cengage Learning, 20	13
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