

## SUBJECT TEACHING GUIDE

### G971 - Microeconometrics

#### DOUBLE DEGREE IN ADMINISTRATION AND BUSINESS MANAGEMENT AND ECONOMICS

Degree in Economics  
Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	DOUBLE DEGREE IN ADMINISTRATION AND BUSINESS MANAGEMENT AND ECONOMICS			Type and Year	Optional. Year 5 Optional. Year 4
Faculty	Faculty of Economics and Business Studies				
Discipline	Subject Area: Econometric Models				
Course unit title and code	G971 - Microeconometrics				
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	LUIS ANTONIO ARTEAGA MOLINA				
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Office	Edificio de las Facultades de Derecho y Ciencias Económicas y Empresariales. Planta: + 1. DESPACHO PROFESORES DE SUSTITUCION Y BECARIOS (E123A)				
Other lecturers					

### 3.1 LEARNING OUTCOMES

- Understand the objectives of econometrics and economic methodology.
- Know the classic and modern econometric methods.
- Learn the art of microeconomic model building.
- Know how to interpret, criticize and apply microeconomic models.
- Know how to use econometric software.
- Know the fundamentals of programming languages.
- Know how to identify and apply the appropriate econometric methods in solving real economic problems related to individual decision processes.
- Know how to learn from empirical economic analysis.

#### 4. OBJECTIVES

Throughout the Degree, the student has acquired knowledge of econometrics and microeconomics. The objective of this course is for the student to learn to model individual decision processes through microeconomics so that, later, using empirical information, they will be able to formulate and estimate econometric models. In short, the fundamental objective of this subject is for the student to learn how to synthesize the a prioristic knowledge that comes from economic theory with the empirical knowledge that comes from data.

#### 6. COURSE ORGANIZATION

CONTENTS	
1	Limited dependent variable models
2	Duration Models
3	Applications to data

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Description Empirical work. Limited dependent variable models	Work	No	Yes	30,00
Description General test	Activity evaluation with Virtual Media	Yes	Yes	40,00
Description Empirical work. Application to data.	Work	No	Yes	30,00
<b>TOTAL</b>				<b>100,00</b>
<b>Observations</b>				
<p>Practical work: the student must define his work with the teacher and make oral presentations on the development of his work in practical classes. The grade of the work will be the arithmetic mean of the grades obtained in the written document and in the oral presentations, both rated from 0 to 10. If a student does not make any oral presentation, they will have a zero in that part. The student will be able to improve the grade of his work by presenting himself to the ordinary call and explaining an empirical application.</p> <p>Test: collection of 20-30 questions on different theoretical and practical aspects of prediction methods . It will be scored from 0 to 10. The student will be able to improve the test mark by taking the ordinary call and taking another test.</p> <p>The mark of the continuous evaluation will be the weighted average of the marks obtained in the practical work and in the test-type exam, provided that both are greater than 4. The student can pass the subject completely by continuous evaluation, without the need to appear at the ordinary call.</p> <p>The student can appear to the ordinary call to improve his mark of the continuous evaluation. The final grade will be the highest of the two evaluations. Students with a final grade of less than 5 will be examined in the extraordinary call for the entire course. The type of exam will be as described for part-time students.</p> <p>If it is not possible to carry out the evaluation in person due to the evolution of the pandemic, the evaluation system will be the same, being carried out electronically through the available resources.</p>				
<b>Observations for part-time students</b>				
<p>Part-time students will take a test and a written exam consisting of commenting on an empirical application.</p> <p>If it is not possible to carry out the evaluation in person due to the evolution of the pandemic, the evaluation system will be the same, being carried out electronically through the available resources.</p>				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

### BASIC

Greene, W.H. (2011) Econometric Analysis (7th ed.). Prentice Hall Inc.