COURSE SYLLABUS

1. COURSE DESCRIPTION

Degree:	Economic Analysis
Double Degree:	
Course:	MARKETS, STRATEGIES AND REGULATION (MERCADOS, ESTRATEGIAS Y REGULACIÓN-ENGLISH TEACHING)
Module:	5. Economic Analysis and Econometrics
Departament:	Economics, Quantitative Methods and Economic History
Term:	First semester
Total Credits:	6
Year:	3º
Type of Course:	Basic
Course Language:	English

Teaching model:	A1	
a. Enseñanzas Básicas (EB):	70%	
b. Theory-into-practice/developmental knowledge-building	30%	
c. Guided Academic Activities:		

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2. COURSE COORDINATOR

Coordinator: Yolanda F. Rebollo Sanz

3. ACADEMIC CONTEXT

3.1. Course Description and Objectives

The aim of this subject is to study the behavior of firms in non-competitive market structures. The idea is to allow the students to get knowledge of the typical issues dealt in industrial economics such as: why firms compete and how they do it? Industrial organization is about the structure of industries in the economy and the behavior of firms and individuals in these industries

Throughout this course you will have the opportunity to study real-world questions with real data using applied economics theory and methods. Basically, at the same time that the students acquire theoretical knowledge in markets and firm strategies, it is also the aim of this course to increase the ability of students in the empirical analysis of firms strategies and markets using proper econometric techniques. More specifically, the student should be able to produce empirical analysis in issues such as demand and product estimation, measuring of market power or concentration analysis.

3.2. Contribution to the Training Plan

This course is provided in the third year of the Economic Analysis degree. The teaching credits for the course are 6 (4.5 theory, 1,5 practice) which corresponds with 150 hours of work by part of the student.

While presenting the main topics of the course, examples of the potential applications of the theoretical frameworks analyzed will be provided. Moreover, some of the models studied will be contrasted with data from real situations of the Spanish and global economy using standard econometric tools.

In general, this course will provide the students with training for theory and practice that will allow for the effective and versatile development of their profession.

3.3. Recommendations or Prerequisites

This course combines theoretical models with empirical applications as a way of studying in depth the functioning of markets.

Regarding the theoretical part, this course builds on the courses of Microeconomics (first year) and Techniques for Microeconomic Analysis (second year). It is therefore essential to know the tools introduced in the subjects mentioned above. In particular, this course requires familiarity with the mathematical language and its basic elements (functions, graphical representations, continuity, derivatives, etc.).

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The course emphasizes the importance of combining economic theory and econometric techniques to answer empirical questions in Industrial. Regarding the empirical part, this course takes as a starting point the subjects on statistics and econometrics imparted in previous years. In particular, it is necessary to have a clear understanding of simple and multiple regression models and to be able to estimate and interpret this kind of models. It is also highly recommended the familiarity with some econometric software.

4. SKILLS

4.1 Degree Skills Developed during this Course

The skills students should acquire through autonomous study and class attendance are as follows.
- Develop autonomous learning.
- Analyze real economic problems facing society using a multidisciplinary approach.
- Solve problems using analytical reasoning.
- Promote understanding and use of scientific method in the field of economics as a social science.
- Put the theoretical knowledge acquired into practice using the skills and techniques of economic decision-making learned in the course.
- Students will gain practical experience working with economic data, and making use of the STATA Data Analysis and Statistical Software package.

4.2. Module Skills Developed during this Course

It should be noted that the Introduction to Economics course belongs to the Basic Training module in Economics and Business Administration and therefore shares some common objectives with other parts of the same module. This skill is mainly to know and understand the social responsibility resulting from economic activities.

4.3. Course-specific Skills
- Know and apply economic basic knowledge.
- Understand the use of economic models to make predictions about the real world.
- Knowledge of economic institutions and understanding the overall functioning of the economy and the behaviour of economic agents.
- Analyze the market role in allocating resources and setting prices. Formulate microeconomic scenarios that help understand the strategic decision making process.
- Know the main macroeconomic aggregates, their limitations and usefulness.
- Understand how macroeconomic policy works, its usefulness and limitations.
- Students will gain practical experience working with economic data, and making use of the STATA Data Analysis and Statistical Software package.

5. COURSE CONTENT (COURSE TOPICS)

Markets, Strategies and Regulation

Unit 1: Introduction and some Basic Concepts
Unit 2. Demand and Supply Estimation
Unit 3: Market Structure: Monopoly
Unit 4: Market Structure: Oligopoly
Unit 5: Market Power: Analysis and Estimation
Unit 6: Competition Theory
Unit 7: Practical issues in the analysis of markets and firms with Stata

6. METHODOLOGY AND RESOURCES

The methodology used for this course is based in two elements:
(1) General teaching: These sessions will be devoted to the theoretical content of the course. Apart from using slides to introduce the models we will also discuss a series of exercises in the blackboard in order to gain comprehension of the topics studied.
(2) Practical teaching: These sessions will be dedicated to promote the reading of research papers, and to develop empirical and econometric techniques in order to test and apply some of the theoretical models studied in class. These sessions will also be devoted to the use of specific software for econometric analysis (GAUSS, STATA)..

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7. ASSESMENT

This course is type A1 in the design of the degree. This implies that the proportion of different educational activities is as follows: General Teaching (GT) constitutes 70% of the raining activities undertaken in the course. The remaining 30% consists of practical work in seminars (PT). The assessment system will maintain consistency with the training activities undertaken in this type of subject. [1]

GT will be assessed through a final exam which could include theoretical questions as well as exercises. This will make up 70% of the final grade for the course. PT will be evaluated through continuous assessment. This ongoing evaluation will include both an exam and "in the classroom" activities designed to reinforce the specific skills acquired in the practical sessions. PT assessment makes up the remaining 30% of the final grade for the course.

In order to pass the course the student must have a minimum of 3 points (over 10) in each part, GT and PT.

There will be a second exam for those that have not passed the subject in the first round. Students will have the opportunity of retaking an exam corresponding only with the GT part of the course or, instead, of also retaking the exam regarding the PT part of the course. If this second option is undertaken then the student must inform the teacher in charge 10 days before the exam.

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[1] Those students in compliance with the excepcional requirements settled by Article 7.3 of the above mentioned "Normativa de evaluación de los estudiantes de grado de la Universidad Pablo de Olavide", will be able to be assessed in the First Course Call under the same criteria settled for the 2nd Course Call. This exception will have to be acknowledged by the Instructor before the ending of the Course sessions.

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8. BIBLIOGRAPHY

P. Belleflamme and M. Peitz (2010), Industrial Organization: Markets and Strategies, Cambridge University Press.

L. Cabral (2000), Introduction to Industrial Organization, The MIT Press.

A. C. Cameron and P. K. Trivedi (2010), Microeconometrics: Using Stata, Stata Press.

P. Davis and E. Garces (2010) Quantitative Techniques for Competition and Antitrust Analysis, Princeton University Press.

W. Green (2010), Econometrics Analysis, Pearson Prentice Hall.

M. Motta (2004), Competition Policy: Theory and Practice, Cambridge University Press

J. Tirole (1988), The Theory of Industrial Organization, The MIT Press.

O. Shy (1996), Industrial Organization, The MIT Press.

J.H. Stock and M.W. Watson (2003), Introduction to Econometrics. Pearson Education, International Edition.