Subject	Introductory Econometrics (E)	Semester, Date and Period of the class	Fall Semester Monday, 3rd period
Subject selection	Basic Specialized Course	Years	1-2
Instructor	Maria MARTIN-RODRIGUEZ (Graduate School of Economics)		
Office hour	Available upon request		
Course Aims : This course aims that students will deepen understanding of elementary statistics in order to acquire the skills and ways of thinking required for performing statistical inference applied to real-world problems correctly.			
Course Objectives : At the end of the course, students will be able to differentiate between a population and a sample, to interpret descriptive statistics, to define probabilistic events, and to perform statistical inference based on different probability distributions. They will also be equipped to learn linear regression analysis in the next semester.			

Class content

1 (*October 5*)	Descriptive Analysis and Presentation of Single-Variable Data.
2 (*October 12*)	Descriptive Analysis and Presentation of Bivariate Data.
3 (*October 19*)	Probability I: Probability of Events.
4 (*October 26*)	Probability II: Conditional Probability of Events; Rules of Probability.
5 (*November 2*)	Probability III: Mutually Exclusive Events and Independent Events.
6 (*November 9*)	*Problem Set 1.*
7 (*November 16*)	*Midterm 1.*
8 (*November 30*)	Probability Distributions.
9 (*December 7*)	Normal Probability Distributions.
10 (*December 14*)	Applications of Normal Distributions.
11 (*December 21*)	Sample Variability.
○;12 (*December 26*)	Statistical Inferences.
13 (*January 18*)	*Problem Set 2.*
14 (*January 25*)	*Midterm 2.*
15 (*February 1*)	Final Exam.
Grading Methods and Criteria: Students will be evaluated according to two midterms (25% each), and a final exam (50%). A minimum grade of C in each test is necessary to receive a passing grade.	
Instructions for Out-of-Class Study: Students must read the chapter in the book corresponding to each weekly lecture in advance. They should also attempt to solve the problem sets by themselves before the solution is provided.	
Textbooks and Reference books: Johnson, R., Kuby, P., 2012. Elementary Statistics, International edition of the 11th revised edition, Cengage Learning.	
Prerequisites/Related Courses/Notice to students: Students must have some basic notions of linear algebra and probability.	