27403 - Statistics I

Información del Plan Docente

Academic Year	2016/17
Academic center	109 - Facultad de Economía y Empresa
Degree	417 - Degree in Economics
ECTS	6.0
Course	1
Period	First semester
Subject Type	Basic Education
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

Different teaching methodologies will be employed. In the lectures the main methodology will be expositive, while in the practical sessions students will take a more important role, as they will have to solve some practical problems following the guidance of the teacher. Material for all the sessions (slides, problems files,...) will be available in the website of the course (moodle).

5.2.Learning activities

In order to help students to achieve the results foreseen, the program comprehends the following activities:

Lectures: The professors will present the main contents of the course and try to motivate participation and discussion in the classroom. Slides will be employed in these sessions to help the students to understand the topics. It is recommended to attend the lectures and make notes to complement and clarify the slides.

Practice sessions : In these sessions, the students will learn how to manage and solve practical problems. Before each practical session, the students will have at their disposal the set of problems that will be solved.

Computer practice sessions: During the semester, the students will do several computer practice sessions. In these sessions, they will solve some problems applying the methods and techniques studied in class by using a spreadsheet. Each practice session will consist of two parts. In the first one, the students will be guided to learn the main theoretical concepts; in the second, these concepts will be employed to solve real problems.

5.3.Program

Lesson 1: Statistical Methods in Business and Economics

Lesson 2: Scales of Measurement and Information Sources

Lesson 3: Describing Univariate Data: Frequency Tables and Distributions, and Graphic Presentation

Lesson 4: Describing Univariate Data: Numerical Measures

Lesson 5: Frequency Tables and Distributions and Graphic Presentation of Bivariate Data

Lesson 6: Correlation and Simple Linear Regression

Lesson 7: Index Numbers

Lesson 8: Probability Concepts

Lesson 9: Statistical Decision Theory

5.4.Planning and scheduling

The course is worth 6 ECTS implying a workload for the student of 150 hours divided between the classroom and private study hours. This workload is distributed in the following way:

Activities	Hours in the classroom	Private study hours	Total student hours
Lectures (whole group)	30	30	60

Computer practice sessions (Two subgroups)	14	26	40
	12	22	34
Practice sessions in the regular classroom (Two subgroups)	4	7	11
	2		2
Additional practice sessions (P6) (Two subgroups)	3		3
Intermediate tests (Four subgroups)			
Written exam			
TOTAL	65	85	150

The calendar will be presented to students once the course starts.

5.5.Bibliography and recomended resources