

## SUBJECT TEACHING GUIDE

G343 - Statistics I

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

Double Degree in Business Administration and Management and Labour Relations  
 Double Degree in Law and Administration and Business Management  
 Degree in Business Administration and Management

1. IDENTIFYING DATA					
Degree	DOUBLE DEGREE IN ADMINISTRATION AND BUSINESS MANAGEMENT AND ECONOMICS			Type and Year	Core. Year 1 Core. Year 1
Faculty	Faculty of Economics and Business Studies				
Discipline	Subject Area: Statistics Basic Training Module				
Course unit title and code	G343 - Statistics I				
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	CARMEN TRUEBA SALAS
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Other lecturers	LORENA REMUZGO PEREZ

3.1 LEARNING OUTCOMES
- Ability to adapt the reality to the statistical language
- Capacity to apply the fundamentals of descriptive statistics to economic data
- Competence to solve problems of descriptive statistics using computer

#### 4. OBJECTIVES

Conceptual objectives:

To know the main concepts about statistical information

To understand and know the theoretical and practical foundations of descriptive statistics and the calculation of probabilities

Procedural objectives:

To use computers in the resolution of descriptive statistics problems

To interpret the results of a statistical analysis

Attitudinal objectives:

To achieve personal autonomy

To develop capacity to work in teams

#### 6. COURSE ORGANIZATION

##### CONTENTS

1	Descriptive statistics. Descriptive analysis and presentation of univariate data Position measures Dispersion measures Shape measures Concentration measures
2	Descriptive statistics. Descriptive analysis and presentation of bivariate data Marginal and conditional distributions Statistical independence. Covariance Linear correlation coefficient Linear regression Categorical data analysis
3	Index number and rates of change Index numbers: concepts and types Simple and composite indices Change of base period Deflation of statistical series Rates of change
4	Introduction to probability Probability of events Simple spaces Rules of probability Mutually exclusive events and the addition rule Independence, the multiplication rule and conditional probability

## 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Theoretical-practical test 1	Written exam	No	Yes	30,00
Theoretical-Practical test 2	Written exam	No	Yes	45,00
Laboratory test	Laboratory evaluation	No	Yes	25,00
TOTAL				100,00

### Observations

If a student does not pass the course under the continuous assessment framework, he/she could take another exam that includes all the contents of the course during the reassessment period. The course grade will be the weighted average of the scores obtained in two tests: one theoretical-practical test and one laboratory test, according to the weights of the continuous assessment framework (75 and 25 percent, respectively).

If the health and educational authorities establish the full suspension of the face-to-face learning, students will be remotely evaluated using the Moodle platform.

### Observations for part-time students

Part-time students could pass this course in just one evaluation session on the date reserved at the end of the first semester. The course grade will be the weighted average of the scores obtained in two tests: one theoretical-practical test and one laboratory test, according to the weights of the continuous assessment framework (75 and 25 percent, respectively).

If a part-time student takes any of the evaluation tests described above, he would be automatically renouncing to the evaluation for part-time students and will be evaluated under the continuous assessment framework.

Part-time students that do not pass the course under the continuous assessment framework could take another exam that includes all the contents of the course during the reassessment period. The course grade will be the weighted average of the scores obtained in two tests: one theoretical-practical test and one laboratory test, according to the weights of the continuous assessment framework (75 and 25 percent, respectively).

Those students that, via student exchange programs, spent the semester in another university will be considered as part-time students.

If the health and educational authorities establish the full suspension of the face-to-face learning, students will be remotely evaluated using the Moodle platform.

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

### BASIC

Sarabia, J.M., Trueba, C., Remuzgo, L., Jordá, V., Prieto, F. (2014). "Problemas resueltos de Estadística para las Ciencias Sociales". Pirámide, Madrid.

Sarabia, J. M. y Pascual, M. (2012). "Curso básico de Estadística para los Grados en Administración y Dirección de Empresas y Economía". Textos Universitarios Ciencias Sociales. Universidad de Cantabria.