COURSE DESCRIPTION

COURSE DETAILS

Title (of the course): **ESTADÍSTICA**

Code: 101695

Degree/Master: **GRADO DE TURISMO**   Year: 1

Name of the module to which it belongs: FORMACIÓN BÁSICA EN CIENCIAS ECONÓMICAS, EMPRESARIALES Y TURISMO

Field: ESTADÍSTICA

Character: BASICA   Duration: FIRST TERM

ECTS Credits: 6.0   Classroom hours: 60

Face-to-face classroom percentage: 40.0%   Study hours: 90

Online platform:

LECTURER INFORMATION

Name: DANCAUSA MILLÁN, MARÍA GENOVEVA (Coordinator)

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Area: ESTADÍSTICA E INVESTIGACIÓN OPERATIVA

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PREREQUISITES AND RECOMMENDATIONS

Prerequisites established in the study plan

None

Recommendations

None specified

INTENDED LEARNING OUTCOMES

CB1

CB2

CB3

CB4

CB5

CB6

CB7

CB8

CU2

CE10

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COURSE DESCRIPTION

OBJECTIVES

Introduction to statistical methods in the Degree in Tourism.

Formulate real problems in statistical terms.

Know how to design the appropriate data collection to acquire information from a population under study.

Apply statistical inference to estimate parameters and perform contrasts on them.

Have sufficient knowledge of the different tools to be able to apply the most appropriate statistical techniques to the different problems and critically analyze the results of the applied statistical analyses.

CONTENT

1. Theory contents

I. Univariate descriptive statistics.

  1 Data Analysis and Statistics.

  2. Measurement scales.

    2.1. Non-numeric variables.

    2.2. Numeric variables.

  3. Univariate frequency distributions.

    3.1. Continuous Numeric Variables: Histograms.

    3.2. Discrete numerical variables: bar charts.

    3.3. Non-numeric variables.

  4. Descriptive measures of numerical variables.

    4.1. Measures of central tendency.

    4.2. Variability measures.

    4.3. Quantiles and other descriptive measures.

II. Bivariate descriptive statistics.

III. The probabilistic model.

IV. Introduction to statistical inference. Sampling distributions.

V. Estimation by point and by interval.

VI. Hypothesis contrasts. A population.

VII.Hypothesis contrasts. Two populations.

VIII. Analysis of variance.

2. Practical contents

Realization of practices of each one of the subjects.

Management of software for statistical analysis using the SPSS program.

SUSTAINABLE DEVELOPMENT GOALS RELATED TO THE CONTENT

Quality education

Gender equality

Decent work and economic growth

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COURSE DESCRIPTION

METHODOLOGY

Methodological adaptations for part-time students and students with disabilities and special educational needs

The methodological strategies and the evaluation system contemplated in this Teaching Guide will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.

Face-to-face activities

Activity	Large group	Medium group	Total
Assessment activities	4	-	4
Case study	3	15	18
Lectures	36	-	36
Tutorials	2	-	2
Total hours:	*45*	*15*	*60*

Off-site activities

Activity	Total
Activities	20
Analysis	30
Exercises	10
Self-study	30
Total hours	*90*

WORK MATERIALS FOR STUDENTS

Case studies
Exercises and activities
Oral presentations
References

EVALUATION

Intended learning	Case Studies	Exams	Problem solving
CB1	X	X	X

COURSE DESCRIPTION

Intended learning	Case Studies	Exams	Problem solving
CB2	X	X	X
CB3	X		
CB4	X	X	X
CB5	X		
CB6	X	X	X
CB7		X	
CB8		X	
CE10	X	X	X
CU2			X
Total (100%)	**25%**	**60%**	**15%**
Minimum grade	**5**	**5**	**5**

(*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

Method of assessment of attendance:

Regular class attendance will be valued

General clarifications on instruments for evaluation:

The exam accounts for 60% of the final mark, which will be made up of theoretical questions. Regarding case studies (25%) and problem solving (15%), both are part of the continuous evaluation.

The case studies refer to the questionnaires in which the concepts learned in the subject are put into practice, as well as the realization of problems and practical exercises that will be delivered on the dates that are set.

With regard to problem solving, evaluable practices will be carried out using the statistical program SPSS.

The grade obtained in the continuous assessment may be kept until the September/October call of the following academic year. People who have not followed the continuous evaluation must take (in each call) an additional test to verify that they have acquired the knowledge and skills that are evaluated through continuous evaluation, in the Problem Solving section.

In the extraordinary call for the 2023-2024 academic year for second-year students or higher, the evaluation will be carried out in person, consisting of the final exam in three parts; in the first, where the theoretical concepts of the subject will be evaluated (40%). The second part consists of the problems of the practical part of the subject (35%) and finally, the resolution of problems using the SPSS computer program (25%). It will be necessary, to pass the subject, to have a minimum of 4 in each of the parts, as long as the final average grade is equal to or greater than 5.

Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

The methodological strategies and the evaluation system contemplated in this Teaching Guide will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are

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COURSE DESCRIPTION

required.

Clarifications on the evaluation of the extraordinary call and extra-ordinary call for completion studies:

Regarding the ***first extraordinary call and extraordinary call for completion of studies*** for the 2023-2024 academic year, the evaluation will be carried out in person, consisting of the final exam in three parts; in the first, where the theoretical concepts of the subject will be evaluated (40%). The second part consists of the problems of the practical part of the subject (35%) and finally, the resolution of problems using the SPSS computer program (25%). It will be necessary, to pass the subject, to have a minimum of 4 in each of the parts, as long as the final average grade is equal to or greater than 5.

Qualifying criteria for obtaining honors:

Individual analysis work. Qualification according to current regulations for the Qualification Criteria for obtaining Honors, Academic Regime Regulation 80.3

BIBLIOGRAPHY

1. Basic Bibliography

-Técnicas Estadísticas para el turismo, A. Fernández Morales y B. Lacomba Arias. Ed. Ágora, 2003

-Curso Práctico de Estadística Económica, F.J. Martín Pliego. Ed. AC,1987

-Estadística para turismo, E. Parra López. (2007). .. McGraw-Hill España.   -Caro Barrera, J. R.; García Moreno García, Mª. B.; Caridad y López del Río, L. y Pérez Priego, M.: "Formulario y Tablas Estadísticas", (2021). Don Folio

2. Further reading

None

COORDINATION CRITERIA

Common evaluation criteria

SCHEDULE

Period	Assessment activities	Case study	Lectures	Tutorials
1# Week	0,0	0,0	6,0	0,0
2# Week	0,0	2,0	6,0	0,0
3# Week	0,0	2,0	4,0	0,0
4# Week	1,0	2,0	4,0	0,0
5# Week	1,0	3,0	4,0	2,0
6# Week	1,0	3,0	4,0	0,0

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COURSE DESCRIPTION

Period	Assessment activities	Case study	Lectures	Tutorials
7# Week	1,0	3,0	4,0	0,0
8# Week	0,0	3,0	4,0	0,0
Total hours:	**4,0**	**18,0**	**36,0**	**2,0**

The methodological strategies and the evaluation system contemplated in this Course Description will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.

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