SUBJECT TEACHING GUIDE

G14 - Statistics Applied to the Social Sciences

Degree in Geography and Land Planning

Academic year 2017-2018

1. IDENTIFYING DATA					
Degree	Degree in Geography and Land Planning			Type and Year	Core. Year 1
Faculty	Faculty of Humanities				
Discipline	First Year Subjects Basic Training in Social Sciences Subject Area: Statistics				
Course unit title and code	G14 - Statistics Applied to the Social Sciences				
Number of ECTS credits allocated	6	Term		Semester based (1)	
Web	http://personales.unican.es/rasillad/				
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO
Name of lecturer	DOMINGO FERNANDO RASILLA ALVAREZ
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Other lecturers	PEDRO REQUES VELASCO

3.1 LEARNING OUTCOMES

- The course will provide the skills to analyze statistical information (numerical data and graphical representations) and to deduce spatial and temporal patterns in geographic phenomena.

4. OBJECTIVES

The main objective of the course to introduce in the analysis of statistical information sources commonly used in the field of Geography and spatial planning and its subsequent treatment using basic statistical tools through graphical and cartographic tools.

6. COURSE ORGANIZATION

	CONTENTS
1	INTRODUCTION TO STATISTICS
2	THE ORGANIZATION OF THE TERRITORIAL INFORMATION: INFORMATION MATRICES
3	DESCRIPTIVE STATISTICS
4	RELATIONSHIPS BETWEEN VARIABLES
5	TIME SERIES
6	BASICS OF SPATIAL ANALISYS
7	FROM DATA TO MAPS: BASICS OF STATISTICAL CARTOGRAPHY
8	FINAL EVALUATION

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Continous assessment	Others	No	No	20,00
Individual work	Work	Yes	Yes	30,00
Final exam	Written exam	Yes	Yes	50,00
TOTAL				100,00

Observations

The final grade will result from the averaging of the written exam, the activities of continuous assessment and the individual work, provide that the student fulfills the following conditions
A) A final exam grade higher than 4 points (out of a maximum of 10).
B) The delivery of all activities developed during the classes.
In the evaluation process, formal aspects such as writing, clarity of exposure, ability to synthesize and conceptualize, as well as the correct use of specific technical vocabulary. In accordance with the regulations of the University of Cantabria, those documents showing evidences of plagiarism will not be considered for correction and will be classified as 'not valid'.

Observations for part-time students

Attention and evaluation of students enrolled part-time will be carried out in accordance with the UC regulations for such cases.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

AGUILERA ARILLA, M.J.; AZCÁRATE LUXÁN, M.V.; GONZÁLEZ YANCI, M.P.; MUGURUZA CAÑAS, C.; RUBIO BENITO, M.T.; SANTOS PRECIADO, J.M. (2003) Fuentes, tratamiento y representación de la información geográfica. UNED
EBDON, D. (1982): Estadística para geógrafos. Barcelona, Oikos-Tau.
ESTEBANEZ, J. y BRADSHOW, R.P. (1979): Técnicas de cuantificación en Geografía. Madrid, Tebar-Flores.
RASO, J.M.; MARTIN VIDE, J. y CLAVERO, P. (1987): Estadística básica para ciencias sociales. Barcelona, Ariel