

SUBJECT TEACHING GUIDE

G14 - Statistics Applied to the Social Sciences

Degree in Geography and Land Planning

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Degree in Geography and Land Planning			Type and Year	Core. Year 1
Faculty	Faculty of Humanities				
Discipline	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					

3.1 LEARNING OUTCOMES

- The course will provide students with basic tools for obtaining, analyzing and interpreting statistical information, through which they will be able to interpret the diversity of geographic phenomena in space and time.

4. OBJECTIVES

The objective of the subject is to familiarize the student with the methods of statistical analysis and the most common graphic tools in Geography.

6. COURSE ORGANIZATION	
CONTENTS	
1	INTRODUCTION: STATISTICS IN GEOGRAPHY
2	EXPLORATORY DATA ANALYSIS
3	RELATIONSHIP BETWEEN VARIABLES
4	TIME SERIES
5	SPATIAL STATISTICS
6	PRESENTATION OF TASKS AND FINAL EVALUATION

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
CONTINUOUS ASSESSMENT	Others	No	No	35,00
INDIVIDUAL TASK	Work	Yes	Yes	15,00
EVALUATION OF THEORETICAL AND PRACTICAL CONCEPTS	Laboratory evaluation	Yes	Yes	50,00
TOTAL				100,00
Observations				
<p>The evaluation activities will be governed by the provisions of the Examination Regulations of the University of Cantabria. The final grade for the course will be the result of averaging the grade on the theoretical-practical concepts assessment test, the grade for individual work, and the grade for continuous assessment activities.</p> <p>Being mandatory the participation of the student in ALL the programmed activities and present ALL the exercises associated with them, this average will be calculated only if the mark of the evaluation of theoretical-practical concepts is higher than 4 points.</p> <p>It is recommended to take special care in the presentation of the works and, in particular, in the correct use of materials (maps, graphs, charts). Fraudulent completion of tests or evaluation activities will directly result in a failing grade of '0' in the subject in the corresponding call, thereby invalidating any grade obtained in all evaluation activities for the extraordinary call.</p> <p>In accordance with the instructions received from the UC, in the event that the health situation forces a modification of the face-to-face conditions towards a scenario of mixed teaching (Scenario 2) or virtual teaching (Scenario 3), the evaluation of the subject will be carried out through the tools available on the institutional platforms of the UC (chats and MOODLE forums, video calls, etc.).</p>				
Observations for part-time students				
<p>The attention and evaluation of students enrolled part-time in the Degree will be carried out in accordance with the provisions of the UC regulations for such cases.</p>				

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- ROYÉ, D. y SERRANO-NOTIVOLI, R (2019). Introducción a los SIG con R. Prensas de la Universidad de Zaragoza, 1ª ed, 360 pp
- REDONDO FGUERA, C.G (2016): El programa R, herramienta clave en investigación. Editorial Universidad de Cantabria.
- 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
- 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
- EBDON, D. (1982): Estadística para geógrafos. Barcelona, Oikos-Tau.