

## SUBJECT TEACHING GUIDE

### M1683 - Intensification in technical knowledges: design and management of territorial data bases Master's Degree in Territorial Resources and Planning Strategies

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Master's Degree in Territorial Resources and Planning Strategies			Type and Year	Optional. Year 1
Faculty	Faculty of Humanities				
Discipline					
Course unit title and code	M1683 - Intensification in technical knowledges: design and management of territorial data bases				
Number of ECTS credits allocated	3	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO				
Name of lecturer	PABLO FERNANDEZ DE ARROYABE HERNAEZ				
E-mail	pablo.fdezarroyabe@unican.es				
Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 2. DESPACHO (2046)				
Other lecturers	DOMINGO FERNANDO RASILLA ALVAREZ				

### 3.1 LEARNING OUTCOMES

- Student will obtain the ability to design, manage and analyse territorial data bases

### 4. OBJECTIVES

To facilitate access to technical tools and methods related to spatial analysis

To introduce students in advanced statistical methods for geographic data

To foster the development of new approaches to study territories and nature

6. COURSE ORGANIZATION	
CONTENTS	
1	Digital tools for territorial management
2	Multidimensional datasets and relational spatial data bases
3	Geostatistical analysis
4	Case studies: examples

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Virtual tasks assessments (50%) In the event that the health situation obliges to modify the face-to-face conditions towards a scenario 2 (mixed teaching) or a scenario 3 (virtual teaching), the continuous assessment activities will be delivered and corre	Activity evaluation with Virtual Media	No	Yes	50,00
Individual final dissertations based on a personal case study (50%) In the event that the health situation forces to modify the face-to-face conditions towards a scenario 2 (mixed teaching) or a scenario 3 (virtual teaching), the interaction between teach	Work	Yes	Yes	50,00
<b>TOTAL</b>				<b>100,00</b>
<b>Observations</b>				
Final mark will be obtained from the Virtual tasks assessments and the individual final dissertation . In the event that the health situation forces to modify the face-to-face conditions towards a scenario 2 (mixed teaching) or a scenario 3 (virtual teaching), the assistance will be verified by means of the tools available on the UC institutional platforms (connection time , student responses in MOODLE chats and forums, video calls etc ...)				
<b>Observations for part-time students</b>				
Part time students will be attended according to the UC regulations for this specific situation				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
<b>BASIC</b>
ZEILLER, M. (1999 ): Modelling Our World. The ESRI Guide to Geodatabase Design. Environmental Systems Research Institute ISBN: 1-879102-62-5
BOSQUE SENDRA, J: (2000): Sistemas de Información Geográfica. Ediciones Rialp, S.A., Madrid
CHUVIECO SALINERO, E. (2002) Fundamentos de Teledetección Espacial. Edit. Rialp S.A., (2ª Edición). ISBN 9788432126802

