UNIVERSIDAD DE CASTILLA - LA MANCHA
GUÍA DOCENTE

1. General information

Course: PERCEPTION AND INTERPRETATION OF GEOGRAPHIC REALITY	**Code:** 44527
Type: CORE COURSE	**ECTS credits:** 6
Degree: 373 - UNDERGRADUATE DEGREE PROGRAMME IN HUMANITIES AND SOCIAL STUDIES	**Academic year:** 2020-21
Center: 7 - FACULTY OF HUMANITIES IN ALBACETE	**Group(s):** 10
Year: 3	**Duration:** C2
Main language: Spanish	**Second language:** English
Use of additional languages:	**English Friendly:** Y
Web site:	**Bilingual:** Y

Lecturer: **JUAN ANTONIO GARCIA GONZALEZ** - Group(s): **10**

Building/Office	Department	Phone number	Email	Office hours
Benjamín Palencia 121	GEOGRAFÍA Y ORD. TERRITORIO	ext. 2772	juanantonio.garcia@uclm.es	Available at the beginning of the course

2. Pre-Requisites

The student must have basic knowledge of computers technologies. Management of the Windows environment, Internet (search and download of files) and knowledge of the open office package or Microsoft Office, with special attention to databases and spreadsheets. The lack of knowledge of office automation implies an added effort in the management and use of the computer material of the subject. The personal computer will be the basic work tool during the course.

It is also convenient that the student has certain knowledge of geographical science. Therefore it is advisable to have successfully completed at least the subjects of the first Humanities "Geography and Environment" and "Geography and Society" or similar of other university studies.

3. Justification in the curriculum, relation to other subjects and to the profession

More and more areas of knowledge and disciplines are nourished by geographic information for their explanations, presentations and analysis. Many of the social, cultural and patrimonial phenomena have a clear territorial vocation, being nowadays, massive its diffusion through images. The cartographic representations have a high evocative power and synthesis. The treatment of spatial information and cartographic documents has until recently been carried out almost exclusively by geographers, surveyors and other professionals with a clear territorial vocation. The greater access to information technologies (ICT) and the greater ease of management of thematic mapping programs allow the possibility of making cartographic documents to a wider range of professionals. Many of the disciplines and / or subjects taught in this degree, use one way or another, cartography as a source or as a means of communication in their studies and research. The management by students of these tools can be very useful to enhance and develop knowledge of other subjects of the degree, in the development of more visual and intuitive presentations through mapping

The course offers the possibility of knowing and managing the technologies and tools related to Geographic Information Systems. This technology has been a revolution in recent years in geographical analysis and in today's society as part of our daily work. The subject is a complement to all geographical and territorial knowledge acquired during the degree both in subjects of geography and in other humanistic disciplines such as History or History of art. It allows to acquire a skill with possibilities of labor insertion. It has the acquisition of theoretical knowledge applied in most cases to the exercises that are proposed in the different sessions.

4. Degree competences achieved in this course

Course competences

Code	Description
E02	Use techniques and quantitative and qualitative methods to work on the Human and Social Sciences
E12	Use the main computer tools and the new information technologies in Humanities and Social Sciences to the creation of digital information
E15	Do territorial analyses using cartography, and manage the geographic information to understand current reality and identify resources for sustainable development processes
E16	Be capable of using an appropriated work methodology to get first-hand information
G02	Knowledge of communication and information technologies
T12	Summarize and do specialized and reflective reports based on complex and diverse information on Humanities and Social Sciences

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Acquisition of skills to manage of the new technologies of geographic information.

Acquisition of skills to manage the geographic information in both analogue and digital format.

Ability to manage cartography to locate, analyze and investigate variables of a territorial nature.

Ability to defend concepts in a well-argued manner, about Geography and environment orally and with written papers.

Training to work individually and in groups critically and self-critically.

Understand spatial processes at different levels.

6. Units / Contents

Unit 1: Geographic Information Systems
- **Unit 1.1** Introduction to Geographic Information Systems
- **Unit 1.2** Treatment of geo-referenced information
- **Unit 1.3** Spatial analysis I

Unit 2: Thematic cartography
- **Unit 2.1** Cartography as a way of communication
- **Unit 2.2** Fundamentals of thematic cartography
- **Unit 2.3** Visual variables

Unit 3:

Unit 4:

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E02 E12 G02	1	25	Y	N	
Analysis of articles and reviews [OFF-SITE]	Self-study	T12	0.4	10	Y	Y	
Practicum and practical activities report writing or preparation [OFF-SITE]	Project/Problem Based Learning (PBL)	E12 E15 G02	4	100	Y	Y	
Individual tutoring sessions [ON-SITE]	Problem solving and exercises	E12 E15	0.2	5	Y	N	
Field work [ON-SITE]	Combination of methods	E02 E16	0.4	10	N	-	
		Total:	**6**	**150**			
		Total credits of in-class work: 1.6				**Total class time hours: 40**	
		Total credits of out of class work: 4.4				**Total hours of out of class work: 110**	

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Practicum and practical activities reports assessment	60.00%	60.00%	Preparation of a dossier with all the practices requested
Theoretical papers assessment	10.00%	0.00%	Refers to the valuation of supporting with the bibliography the comments and evaluations of the practices developed and discussed in class
Assessment of active participation	10.00%	0.00%	Each exercise prepared by the student is discussed in the classroom as a group
Final test	20.00%	40.00%	
Total:	**100.00%**	**100.00%**	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject , an ordinary and an extraordinary one (evaluating 100% of the competences).

Evaluation criteria for the final exam:

Continuous assessment:

The qualification will be based on the practice report. The exam is one more of the qualifications necessary to pass the subject. In the case of students who do not attend regularly, it is advisable to approach an alternative work plan with the teacher

If applicable, any modifications or adaptations needed in the teaching guides as a result of a change in the teaching or evaluation model derived from the evolution of the pandemic will be documented in a later addendum

Non-continuous evaluation:

In the case of students who do not attend regularly, it is advisable to discuss an alternative work plan with the teacher

If applicable, any modifications or adaptations needed in the teaching guides as a result of a change in the teaching or evaluation model derived from the evolution of the pandemic will be documented in a later addendum

Specifications for the resit/retake exam:

The qualification will be based on the practice report. The exam is one more of the qualifications necessary to pass the subject. In the case of students who do not attend regularly, it is advisable to approach an alternative work plan with the teacher

If applicable, any modifications or adaptations needed in the teaching guides as a result of a change in the teaching or evaluation model derived from the evolution of the pandemic will be documented in a later addendum

Specifications for the second resit / retake exam:

The qualification will be based on the practice report. The exam is one more of the qualifications necessary to pass the subject. In the case of students who do not attend regularly, it is advisable to approach an alternative work plan with the teacher

If applicable, any modifications or adaptations needed in the teaching guides as a result of a change in the teaching or evaluation model derived from the evolution of the pandemic will be documented in a later addendum

9. Assignments, course calendar and important dates

Not related to the syllabus/contents

Hours	hours

Unit 1 (de 4): Geographic Information Systems

Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	10
Analysis of articles and reviews [AUTÓNOMA][Self-study]	10
Practicum and practical activities report writing or preparation [AUTÓNOMA][Project/Problem Based Learning (PBL)]	30

Group 10:

Initial date: 26-01-2021	End date: 16-05-2021

Unit 2 (de 4): Thematic cartography

Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	10
Practicum and practical activities report writing or preparation [AUTÓNOMA][Project/Problem Based Learning (PBL)]	30
Individual tutoring sessions [PRESENCIAL][Problem solving and exercises]	5

Group 10:

Initial date: 26-01-2021	End date: 16-05-2021

Unit 3 (de 4):

Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	5
Practicum and practical activities report writing or preparation [AUTÓNOMA][Project/Problem Based Learning (PBL)]	30

Group 10:

Initial date: 26-01-2021	End date: 16-05-2021

Unit 4 (de 4):

Activities	Hours
Practicum and practical activities report writing or preparation [AUTÓNOMA][Project/Problem Based Learning (PBL)]	10
Field work [PRESENCIAL][Combination of methods]	10

Group 10:

Initial date: 26-01-2021	End date: 16-05-2021

Global activity

Activities	hours
Analysis of articles and reviews [AUTÓNOMA][Self-study]	10
Practicum and practical activities report writing or preparation [AUTÓNOMA][Project/Problem Based Learning (PBL)]	100
Individual tutoring sessions [PRESENCIAL][Problem solving and exercises]	5
Class Attendance (theory) [PRESENCIAL][Lectures]	25
Field work [PRESENCIAL][Combination of methods]	10
Total horas:	150

10. Bibliography and Sources

Author(s)	Title/Link	Publishing house	City	ISBN	Year	Description
Bertin, Jacques	Sémiologie graphique : les diagrammes, les réseaux, les cart	École des Hautes Études en Sciences Sociales		2-7132-2027-0	2005	
Bosque Sendra, Joaquín	Sistemas de información geográfica	Rialp		84-321-3154-7	1997	
Gutiérrez Puebla, Javier	SIG : Sistemas de Información Geográfica	Síntesis		84-7738-246-8	2008	
Harvey, Francis (Francis James)	A primer of GIS : fundamental geographic and cartographic c	Guilford Press		978-1-59385-565-9	2008	
Keates, J. S	Understanding maps /	Longman,		0-582-23927-3	1996	
Krygier, John	Making maps : a visual guide to map design for GIS	Guilford Press		978-1-59385-200-9 (p	2005	
Tyner, Judith A.	Principles of map design	Guilford Press		978-1-60623-544-7	2010	
Tyner, Judith A.	The world of maps : map reading and interpretation for the 2	Guilford Press,		978-1-4625-1648-3 (h	2015	
Vázquez Maure, Francisco	Lectura de mapas	Fundación General de la U.P.M.		84-86451-05-1	1995	
	Curso SIG Online http://www.geogra.uah.es/gisweb/					
	Diccionario de cartografía			84-87510-37-X	1995	
	Thematic cartography and geographic visualization world of maps	Pearson Prentice Hall		0-13-035123-7	2005	