Universidad Zaragoza

Academic Year/course: 2024/25

60425 - Applications for Land Management: Environment

Syllabus Information

Academic year: 2024/25
Subject: 60425 - Applications for Land Management: Environment
Faculty / School: 103 - Facultad de Filosofía y Letras
Degree: 352 - Master's in Geographic Information Science and Technology for Land Management: Geographic Information Systems and Remote Sensing
ECTS: 2.0
Year: 1
Semester: Annual
Subject type: Optional
Module:

1. General information

This subject presents the minimum conceptual basis that a land use planning professional must have to design and comment on thematic cartography within the framework of current scientific-technical standards.
This is an elective designed to provide all students with the same basic knowledge of thematic map design.
These approaches and objectives are aligned with the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda insofar as thematic mapping is a tool that makes it possible to visualize the information and spatial distribution of different phenomena that can reflect and analyse the degree of achievement of all the SDG goals.

2. Learning results

Work well in a team, constructively criticizing the opinions of others, sharing information and knowledge with peers and seeking joint solutions.
Critically evaluate cartographic documents, both general and technical, being able to identify in them the phases of thematic map design and the author's intention.
Design thematic maps using the most appropriate manner in relation to the specific academic or professional context in which they find themselves in, the information to be represented and the technical possibilities available; be able to offer cartographic alternatives to the main design.
Identify the optimal information modelling to achieve an optimal representation of socio-spatial structures and dynamics as well as territorial and environmental issues.
Properly use of the terminology of the cartographic design process when commenting and designing a thematic map.

3. Syllabus

1. Basic concepts
2. The cartographic process
3. Project identification
4. Mapping components
5. The cartographic code
6. Decision making
7. The final presentation
8- Critical commentary of thematic cartography

4. Academic activities

Master class. Theoretical-practical sessions in which the contents of the subject will be developed.
Personal study. Portfolio study and development.
Assessment tests.

5. Assessment system

The subject will be evaluated in the mode of CONTINUOUS and GLOBAL evaluation through the following activities:

First Call:
Test 1. Written test of short questions on terminology, diagrams and map commentary (35% of the grade, minimum 4 out of 10). Evaluation criteria: mastery of the concepts handled, accuracy and precision.
Test 2. Learning portfolio composed of: 1) joint delivery of the work, 2) list with the total number of activities carried out and their evaluation in terms of usefulness in relation to the expected learning and 3) selection of the most useful activities with respect to the learning results (65% of the grade, minimum 4 out of 10). Assessment criteria: Use of the concepts of the cartographic process, correctness of the answers, inclusion of sections specified in the reference document, performance of the evaluation and choice of significant evidence.

The continuous evaluation will take place during the class period, and the overall evaluation will take place on the date of the examination period set by the Faculty.

Second call:
The student undergoes a global evaluation based on the same type of tests and with identical criteria as the global evaluation of the first call.

6. Sustainable Development Goals

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