Academic Year/course: 2022/23

60418 - Thematic Cartography, Geovisualization and Web Mapping

Syllabus Information

Academic Year: 2022/23

Subject: 60418 - Thematic Cartography, Geovisualization and Web Mapping

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: 6.0

Year: 1

Semester: Annual

Subject Type: Compulsory

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning and teaching methodology developed in the course is aimed to promote the achievement of the learning objectives. A range of teaching and learning activities is implemented, such as lectures, practice sessions, practical exercises with appropriate software and study.

A high level of student participation will be required from all students throughout the course.

Extensive material will be available *via* the Moodle site of the course. This offers a variety of resources including a repository of the lecture notes used in class, a course syllabus as well as other forms of course-specific materials.

4.2. Learning tasks

The course includes the following learning tasks:

Map design and production

- Lectures: 10 hours

- Practical activities: Interactive, individual or group activities: 10 hours

- Study and guided task: 30 hours

- Assessment: 2 hours

Cartographic Aesthetics and Map Design

- Lectures: 7.5 hours

- Practical activities: Interactive, individual or group activities: 55 hours

- Guided tasks: 15 hours

- Assessment: 2 hours

Web Mapping and virtual enviroments

- Lectures: 7.5 hours

- Practical activities:15 hours

- Study and guided task: 29 hours

- Assessment: 1 hours

The use of 3D

- Lectures: 2.5 hours

- Practical activities: 2.5 hours

- Study and guided task: 10 hours

- Assessment: 1 hours

- Study: 11 hours

4.3. Syllabus

The course will address the following topics:

1. Map design and production
2. Cartographic Aesthetics and Map Design
3. Web Mapping and virtual enviroments
4. The use of 3D

4.4. Course planning and calendar

This course is divided into 6 topics. The length of the course is of two weeks during the second semester. Each session takes 2.5 hours.

For further details concernig the timetable, classroom and other information of the course please refer to the *?Facultad de Filosofía y Letras?* website (https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases)

4.5. Bibliography and recommended resources

http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=ahttp://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a