

60417 - Introduction to geographical IT

Información del Plan Docente

Academic Year	2016/17
Academic center	103 - Facultad de Filosofía y Letras
Degree	352 - Master's in Geographical Information Technology for Territorial Development: Geographical Informations Systems and Teledetection
ECTS	3.5
Course	1
Period	Annual
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

The learning and teaching methodology developed in the course is aimed to promote the attainment of its objectives. A wide range of teaching and learning activities is implemented, such as interactive lessons, practical exercises, individual or group activities, directed activities and private study.

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

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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 as well as other forms of course-specific materials.

5.2.Learning activities

Lecture sessions: 20 hours

Practical activities: Interactive, individual or group activities: 20 hours

Directed activities: 1.5 hours

Private study: 50 hours

5.3.Program

1.1. Geographic Information Technologies: introductory issues

1.2. Learning of software: a basic introduction to ArcGIS and ERDAS.

5.4.Planning and scheduling

Sessions will be developed during the first month of the course. Practical works will be conducted in the first of the three assessment periods. Students will also have the June and September exam periods.

For further details concerning the timetable, classroom and other information of the course please refer to the

"*Facultad de Filosofía y Letras*" web site (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>).

5.5.Bibliography and recommended resources

- Aplin, P., ?Remote sensing: base mapping?. *Progress in Physical Geography* 27 (2), pp.275-283
- Conesa, C., ?Los sistemas de Información geográfica, un tema en auge para el debate: tecnología o ciencia, investigación y aprendizaje, aplicación global o integrada?. En: *Tecnologías de la información geográfica : territorio y medio ambiente : ponencias, relatorias y sesiones técnicas del XI Congreso de Métodos Cuantitativos, SIG y Teledetección, celebrado en Murcia, 20-23 de septiembre, 2004*. Murcia : Universidad de Murcia, 2005, pp.13-52
- Crampton, J.W., ?Maps as social constructions: power, communication and visualization?, *Progress in Human Geography*, 25 (2) 2001, pp. 235-252
- García Cuesta, J.L.. ?Avances y retos en el ámbito de la información geográfica?. En: *Ciencia y tecnología de la información geográfica*, Burgos : Editorial Dossoles, 2003, pp.13-24.
- Sancho Comins, J.. ?Información geográfica como base para la toma de decisiones?, *El campo : revista mensual agropecuaria* , 138, p. 3-22