



Syllabus

Academic year	2017-18
Subject	11481 - Application of Geographical Information Systems to Natural Heritage Managem
Group	Group 1, 1S
Syllabus	A
Language	English

Subject

Name	11481 - Application of Geographical Information Systems to Natural Heritage Managem
Credits	2.28 in-class (57 hours) 0.72 distance (18 hours) 3 total (75 hours).
Group	Group 1, 1S (Campus Extens)
Period	First semester
Language	English

Lecturers

Lecturers	Office hours for students					
	Starting time	Finishing time	Day	Start date	End date	Office
Jose Andres Lopez Tarazon ja.lopez@uib.cat						You need to book a date with the professor in order to attend a tutorial.

Context

Management and preservation of cultural sites has traditionally been oriented toward the protection and restoration of built structures, but there is now a trend toward the protection of larger sites and a monument's surrounds. This trend calls for new tools and methods for site documentation and management, such as GIS, a computerized mapping system. Geographical information systems are becoming a common tool in applications that involve spatial objects and relations, including Natural Heritage management. However, the use of GIS implies some benefits and costs. The benefits of a GIS include more accurate and accessible documentation of sites, and improved monitoring, maintenance and planning of sites. Costs include computer hardware and software, training and support, and data acquisition.

Requirements

The module will use GIS software

Essential requirements

Basic knowledge on ArcGIS software

Skills





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Specific

- * Learn how to deal with the different information and communication technologies associated with geographical information systems for tourism analysis and planning.
- * Learn the importance of the cultural, social and natural heritage for the development of strategic tourism plans that incorporate the awareness as a complement for differentiation and sustainability.

Generic

- * Know how to work in a team and deal with problematic situations in a collaborative way.

Transversal

- * Capacity for analysis and synthesis.
- * Oral and written communication in English.

Basic

- * You may consult the basic competencies students will have to achieve by the end of the Master's degree at the following address: http://estudis.uib.cat/master/comp_basiques/

Content

Theme content

BLOCK 1. General concepts on geographical information systems

BLOCK 2. Geo-positioning tools

BLOCK 3. GIS applications and location planning for tourism facilities

BLOCK 4. GIS applications and design, management and dissemination of tourism routes and destinations

BLOCK 5. Examples applied to the conservation and use of natural heritage

Teaching methodology

In-class work activities

Modality	Name	Typ. Grp.	Description	Hours
Theory classes		Large group (G)	Acquiring the required knowledge	17
Practical classes		Medium group (M)	Learning how to manage GIS systems	40

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.





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Distance education work activities

Modality	Name	Description	Hours
Group or individual self-study		Development of a group project related with the module	18

Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

Student learning assessment

Practical classes

Modality	Practical classes
Technique	Student internship dissertation (retrievable)
Description	Learning how to manage GIS systems
Assessment criteria	
Final grade percentage:	50% with minimum grade 5

Group or individual self-study

Modality	Group or individual self-study
Technique	Papers and projects (non-retrievable)
Description	Development of a group project related with the module
Assessment criteria	
Final grade percentage:	50% with minimum grade 5

Resources, bibliography and additional documentation

Materials will be given/suggested during the theoretical lectures and practicals

