GIS, PLANNING AND LANDSCAPE 2022-23



# DEGREE CURRICULUM GIS, PLANNING AND LANDSCAPE

Coordination: VARGAS GARCIA, MIQUEL ÀNGEL

Academic year 2022-23

# GIS, PLANNING AND LANDSCAPE 2022-23

# Subject's general information

Subject name	GIS, PLANNING AND LANDSCAPE					
Code	12436					
Semester	2nd Q(SEMESTER) CONTINUED EVALUATION					
Туроlоду	Degree		Course	Character	Modality	
	Master's Degree in Mountain Areas Management		1	OPTIONAL	Blended learning	
Course number of credits (ECTS)	3					
Type of activity, credits, and groups	Activity type	PRAULA		TEORIA		
	Number of credits	1.5		1.5		
	Number of groups	1		1		
Coordination	VARGAS GARCIA, MIQUEL ÀNGEL					
Department	-SENSE DEPARTAMENT-					
Teaching load distribution between lectures and independent student work	Online lessons					
Important information on data processing	Consult this link for more information.					
Language	Catalan and spanish					

# GIS, PLANNING AND LANDSCAPE 2022-23

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
PAUL AGUSTI, DANIEL	daniel.paul@udl.cat	0	
VARGAS GARCIA, MIQUEL ÀNGEL	miguelangel.vargas@uab.cat	3	

## Subject's extra information

To follow this module without problems, you must be taken the 'Mountain cartography' module.

#### Learning objectives

- To learn the use geographic information technologies to design and plan mountain areas landscape.
- To select and use the most appropriate information and communication methodologies and tools for a project's objectives.

#### Subject contents

- GIS and environmental planning
- Data sources for spatial analysis in mountain areas
- Geoprocessing functions
- Cartographic modeling and spatial analysis

## Methodology

teaching methodology	Learnig activities		
	Lectura de documentació escrita/audiovisual/gràfica elaborada		
Online theory	Webconferència		
	Webminari		
	Discussion forums		
	Self-monitoring activities		
Practice / Online	Redacció d'informes i projectes		
WORKS	Report and project writing		
	Recerca d'informació		
	Case study		
Validation tests	presentation / Online validation test		

#### Development plan

The subject will be organized in eight different sessions corresponding to the eight weeks.

Each of the sessions corresponds to a practical activity of which four must be submitted. At the end of the course, an applied project must also be submitted. It includes the geoprocessing functions worked on during the subject.

The material that will be supplied consists of a tutorial pdf document for the correct follow-up of the practices. In each document there is a theoretical presentation of the topic.

Nº week	Theory	Practices to be submitted
1	Spatial selections	
2	On-screen digitizing	Practice 1
3	Raster and vector basic geoprocessing functions	Practice 2
4	Cartographic modelization: raster	Practice 3
5	Cartographic modelization: vectorial	
6	Buffer	
7	DEM, derivatives and visibility analysis	Pràctica 4
8	Land Use and Land cover change	
		Projecte aplicat

### Evaluation

Evaluation systems Practical work Reports, analysis reports or applied projects Participation in forums or other online activities Virtual Campus Logs