



Universitat de Lleida

# DEGREE CURRICULUM

# **CONSERVATION BIOLOGY**

# **TOOLS (BIODIVERSITY)**

Coordination: RAVERA CERDA, FEDERICA

Academic year 2022-23

## Subject's general information

Subject name	CONSERVATION BIOLOGY TOOLS (BIODIVERSITY)			
Code	12432			
Semester	2nd Q(SEMESTER) CONTINUED EVALUATION			
Typology	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	RAVERA CERDA, FEDERICA			
Department	-SENSE DEPARTAMENT-			
Important information on data processing	Consult <a href="#">this link</a> for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
COLOMER CABARROCAS, AGATA	agata.colomer@udg.edu	1	
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## Learning objectives

1. To recognize the values of biodiversity in mountain areas. Design forms of biodiversity management in accordance with the dynamics and keys for its maintenance and improvement.
2. To know the keys to knowledge of the hydrological cycle and the associated risks of mountain areas. Propose management tools and mitigation and response mechanisms.
3. Inventory, analyze and evaluate risk factors in mountain areas. Know some management tools and mitigation and response mechanisms.
4. To recognize the values of wildlife in mountain areas. Work on ways of managing wildlife in accordance with the dynamics and keys to maintaining and improving it.

## Competences

### Basic

B10 That students possess the learning skills that allow them to continue studying in a way that will have to be largely self-directed or autonomous (\*)

### Generals

CG1 Assess the mechanisms of society's interaction with the environment from the perspective of decision-making

CG2 Manage and use the methods and techniques of analysis and interpretation of socioeconomic and environmental statistical variables and sources.

CG4 Analyze the underlying dynamics of new and complex situations, design alternative resolution strategies and take advantage of the potential for improvement.

### Specific

CE2 Analyze, interpret and evaluate the processes of change and environmental conflicts in attention to the

preservation of biodiversity and environmental balances in mountain areas.

CE3 Design, draft and develop plans and projects for risk prevention, resource management and physical planning.

CE4 Identify essential cartographic sources and apply Geographic Information Systems to physical and social reality

## Subject contents

In relation to this problem, in the 1980s, conservation biology, a branch of the natural sciences that has the scientific objective of studying how to avoid the loss of biodiversity, began.

In this course we will study the history and application of this discipline to the areas of the mountains, but also from a more complex and critical vision, which includes contributions from social ecology or ethnoconservationism and the dialogue of knowledge, up to the ecofeminism and decolonial feminism.

Basic program:

1. History of the biology of conservation and current processes of changes in biodiversity in areas of the mountains
2. Recognize the values of biodiversity in the mountain areas. Design forms of management of biodiversity according to the dynamics and closures for its maintenance and improvement
3. The concept of rewilding and the PYROSLIFE project for the reintroduction and conservation of the Pyrenees
4. The conservation of hotspots of agrobiodiversitat in zones of muntanya davant del canvi climatic
5. A critical view of conservation biology: examples from the mountain areas.

## Methodology

Docent Methodology	Formative activities
Theory	Master classes
	Introductory activities
	Readings
Practice	Debate/analysis and reflection
Work	Information Research
	Tutorship
	Reports and projects
On-line theory	Reading of written/audiovisual/graphic documentation produced
	Webconference
	Webminar
Practice/on-line work	Debating forums
	Information research
	Case studies

## Evaluation

1. Practices - exercises: 25%
2. Reports, analysis reports or application projects 35%
3. Participation in forums and other online activities: 15%

4. Project/proposal presentation: 20%