

MANAGEMENT OF THE NATURAL ENVIRONMENT FROM AN ECOSYSTEM APPROACH

Responsible professor: ANDRÉS COZAR

Credits: 5,0 ECTS

Detailed programme:

LEARNING BLOCK	TOPIC OR ACTIVITY
B0	Reception, presentation and delivery of documentation. Official master inauguration. Presentation of the application module and the final Master Thesis.
B1	Fundamentals of ecosystem management.
B2	Analysis of management experiences with an ecosystem approach.
B3	Strategies for generating information.
B4	General guidelines for the treatment and integration of information.
B5	Ecosystem structure. Ecosystem classification. Energy distribution.
B6	Variability scales of the environmental forcing drivers and control over producers and consumers.
B7-8	Case study presentation: exploration of the "Aletas" and "Cetinas" marshes.
B9	Spatial and temporal scales and patterns of biodiversity geographical distribution.
B10	Field practice: ecological and biogeographical analysis of plant communities.
B11	Ecological and biogeographical analysis of plant communities: laboratory analysis.
B12	Ecological and biogeographical analysis of plant communities: information analysis.
B13	Distribution models of species and communities I. Treatment of spatial information.
B14	Distribution models of species and communities II. Applications.

Evaluation system:

SYSTEM	WEIGHT
Written or oral exam	50 – 80
Attendance and usage of on-site formative activities	0 – 20
Written essays	5 – 20
Presentation of exercises, topics and projects	0 – 20
Attendance and participation in practical activities	0 – 20
Virtual campus graded activities (Online)	0 – 20
Other systems approved by the teaching coordination team for this subject, with approval from the Master academic committee	0 – 50