

Level: master				
Course title: Systems for decision support and management of the natural resources				
Status: elective				
ECTS: 5				
Requirements: None				
Learning objectives To learn about new ways to make decisions on the use of ICT in the management of natural resources in terms of control, use and sustainable development.				
Learning outcomes Students should be able to apply knowledge and skills in analysis, modelling, protection and mapping (visualization) of natural resources by using GIS technology.				
Syllabus <i>Theoretical instruction</i> Introduction to Informatics - Sources of geographic data - Measurement of geographic data - Classification of geographic data - Processing, archiving and display of geographic data - Application of geographic information <i>Practical instruction</i> - GIS software - GIS database, queries - GIS visualization - GIS analysis and modelling				
Weekly teaching load				Other: Exam final score: 50% Student project (or research) 50% oral exam.
Lectures: 2	Exercises: 2	Other forms of teaching: Tutorials and individual discussion. Study visits.	Student research: Possibility to participate in on-going research project, as an alternative to Student Project.	