











	GIS*	Cartography*	Remote sensing I
Semester	2 nd	4 th	5 th
ECTS	4.5	4.5	6.0
Students	57	21	15
Objectives	GIS concepts, techniques and methods. GIS software. Data processing general strategies.	Workflow for mapping. Thematic mapping. Map element analysis and layout.	Image processing and information extraction (remote sensors) Validation.
Evaluation criteria (% final mark)	Test (30%)	Test (20%)	Computer Lab test (40%)
	Computer lab test (40%)	PBL (Maps) (60%)	PBL (final): 30%
	PBL tasks (30%)	Assigned tasks (20%)	PBL Tasks: 30%















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On-line active learning at the University of Leon (Spain): experiences with a happy ending

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