Title:	Design of Nature Reserve Systems		
Code number:	122E	Туре:	Optional Compulsory
Level:	Undergraduate		
Year:	3	Semester:	F
ECTS Units:	4	Teaching Units:	3
Lecturer(s):	P.G. Dimitrakopoulos		
Content outline and weekly schedule:	 Biodiversity, rarity, endemism, threatened species Threats to biodiversity: Habitat destruction and degradation, overexpoitation, exotic species and diseases. Habitat fragmentation Island biogeography Protected areas and classification systems Establishing Priorities in protected areas selection (biodiversity hotspots, reserve selection algorithms, gap analysis) Application of Geographical Information Systems in establishing protected areas Designing protected areas (reserve size, SLOSS, effective preservation of species) Landscape ecology and park design (linking reserves with habitat corridors, ecological networks, outside of protected areas) Ex-situ conservation strategies International and National Law in conservation issues - Protected areas in Greece Managing protected areas (the role of monitoring in species and habitat conservation). The role of social and economic factors in protected areas policies 		
Learning Outcomes:	 Understanding of basic concepts of conservation biology and biogeography. Understanding of key components that must be taken into account when designing protected areas. Knowledge and handling methodologies to determine priority areas for biodiversity conservation. 		
Prerequisites:	-		
Recommended Reading:	Lecture notes:	P. Dimitrakopoulos. Design 112 pages (in Greek).	gn of nature reserve systems.
	Basic textbooks:	Δανιηλίδης, Σ. Βαλάκος, Γ	ουλος, Μ. Αριανούτσου, Δ. 1. Παφίλης, Ι.Δ. Παντής, οστασία της βιοποικιλότητας,
	Additional References:	 Biology. Sinauer A Massachusetts. Hunter, M.L. 2002. F Biology. Blackwell Scien Meffe, G.K. and Ca 	Essentials of Conservation associates, Inc., Sunderland, Fundamentals of Conservation ence, Inc. roll, C.R. 2006. Principles of ogy. Sinauer, Sunderland,

		Massachusetts.	
	Internet links:	www.ypeka.gr	
		www.iucn.org	
		www.unep-wcmc.org	
Learning Activities and Teaching Methods:	Lectures (hours/week):		3
	Practicals-Tutorials (hours/week):		0
	Other learning activities:		written essay
Assessment/Grading:	written essay (30%), written examination at the end of the semester (70%)		
Instruction Language:	Greek		
Mode of delivery:	face-to-face		