

Study Programme : PhD in Ecology			
Degree level: Doctoral degree			
Course Title: MANAGEMENT OF PROTECTED AREAS AND ECOSYSTEMS			
Professor: Ante Vujić, PhD			
Required/Elective Course: Elective			
Number of ECTS: 15			
Prerequisites:			
Course Objective			
The main objective of the course is learning about the management of protected areas, with special emphasis on the sustainable management of resources. Students learn about environmental management, gain a broader insight into the affairs of conservation and ecosystem management, ecosystem modeling, landscape management and restoration processes. Analysis of experiences in managing protected areas in the world and our country is one of the tasks of the course. Special attention is given to development of projects on conservation and restoration of ecosystems on concrete examples.			
Course Outcome			
At the end of the course student will be qualified to engage in practical projects related to conservation and preservation of ecosystems and will acquire basic knowledge necessary for successful participation in the teams that manage the protected natural resources.			
Course Content			
<i>Theoretical part</i>			
Management of protected areas. Natural processes and environmental management in protected areas. Environmental sustainability in protected areas. Fragmentation of natural units. Management of vulnerable populations in protected areas. Management of overreproduced species in protected areas. Cultural and natural resources in protected areas. Conservation and management of ecosystems. The choice of data relevant to ecosystem management. Modeling of ecosystems. Landscape management processes. Types of restoration, criteria and valuation. Protocols, procedures and examples of successful ecological restoration.			
<i>Practical part</i>			
Examples of protected areas management: national parks, nature reserves and natural monuments in the world. The practice of management of protected natural resources in Serbia. Practical examples of the role of science in protecting the resources of National parks. Analysis of experience of managing protected areas in the world. Analysis of national practices. Examples of degradation of habitats and their restoration. Seminars related to the practical examples of conservation and restoration of ecosystems and the theoretical models of methods of conservation and restoration of ecosystems.			
Reading List:			
1. Worboys, G., Lockwood, M., De Lacy, T. (2001): Protected area management: principles and practice. Oxford University Press.			
2. Van Dyke, F. (2003): Conservation Biology. Foundations, Concepts, Applications. McGraw-Hill			
3. Pullin, A. S. (2002): Conservation Biology. Cambridge University Press			
4. http://www.cr.nps.gov/history/books-title.htm			
5. http://www.world-national-parks.net/			
6. http://www.forestshop.com/f-mngmnt.html			
Total hours:			
Lectures: 5	Practicals:	Other:	Student research work:5
Methods of instruction:			
Video presentation, seminar preparation and defense.			
*Preparation and defense of the project in the field of conservation of ecosystems and natural resource management.			
Assessment (maximum number of points 100)			
Requirements			
Pre-exam testing 30		Project presentation 70	
Remark:			