

Study Programme: PhD in Ecology			
Degree level: PhD degree			
Course Title: Forest Ecosystems and Sustainable Development			
Professor: Orlovic Sasa, PhD			
Required/Elective Course: Elective course			
Number of ECTS: 15			
Prerequisites:			
Course Objective: Introduction to knowledge about forest ecosystems and sustainable development.			
Course Outcome: Students will gain necessary knowledge for the study of forest ecosystems and will be able to analyze, improve and study them, what will be of great importance for achieving sustainable multifunctional management.			
Course Content:			
<i>Theoretical part</i>			
Forest ecosystems, forest - the concept and definition, importance of forest functions, forest ecosystems as producers of biomass, forests and air, forests and climate, forest and water, and forest land, forest and biodiversity, forests and landscape, landscape management, forest conservation, conservation of forest genetic resources, floodplain forests, silviculture, sustainable management of multifunctional forest ecosystems.			
<i>Practical part</i>			
Case studies.			
Reading List:			
1. Slobodan Vučićević: Šuma i životna sredina, Šumarski fakultet Beograd i JP "Srbijašume", 1999.			
2. Grupa aytopa: National Forest Landsape Management. US Dept. Of Agriculture Handbook No. 559			
3. Fransoise Burel, Jasques Baundry: Landscape Ecology. Science Publishers, USA, 1999.			
4. Orlović, S., Galić, Z., Stojnić, S., Klašnja, B. (2012). Monitoring of forest ecosystems in Serbia. In: Essays on Fundamental and Applied Environmental Topics (Ed. D.T. Mihailovic), NOVA Science Publisher.			
Total hours:			5
Lectures: 5	Practicals:	Other:	Student research work: 5
Methods of instruction: Theoretical lectures, laboratory exercises.			
Assessment (maximum number of points 100)			
Requirements	points	Final exam	points
Active participation in lectures	Up to 10	Practical exam	Up to 10
Active participation in practicals	Up to 20	Oral exam	Up to 60
Remark:			