

Course title	Introduction to environmental and nature protection							
Code	ZDOB11							
Study	Ph.D. study of Nature and Environmental Protection							
Semester	I.							
ECTS	7							
Course state	Compulsory							
Professors	Izv.prof.dr.sc. Natalia Velić, associate professor Prof.dr.sc. Drago Šubarić, full professor							
Colaborators	-							
Entrance conditions	-							
Aim	Introduce students to the interdisciplinary science of environmental and nature protection							
Learning outcomes	<p>By completing the course students will be able to:</p> <ol style="list-style-type: none"> 1. understand elements of environmental and nature protection; 2. discriminate between monitoring, control, stability and dynamics of environmental and nature systems; 3. understand the goal of various system analysis techniques and consequences for management; 4. understand the role of natural sciences, technology, law and economy in sustainable development of environmental and nature protection. 							
Connections between students activity, learning outcomes and evaluation		Students activity	ECTS	Learning outcomes	Course activity	Evaluation methods	Points*	
							min	max
		Active participation		1-4	Lectures	Minutes	8	15
		Active participation		1-4	Seminars	Minutes	6	10
		Preparation for the exam		1-4	Problems solving	Exam	4	7
	Total	7				16	32	
Consultations	According to the students need							
Teaching form	Lectures		Seminars			Exercises		
No. of hours	15		10			-		
Content	<ol style="list-style-type: none"> 1. Introduction 2. Monitoring, control and management 3. The role of physics, chemistry, ecology, economy and law 4. Principles of physical planning and management 5. Carrying capacity 6. Cleaner production 7. Systems analysis: input-output, stability, sustainability 8. Analysis of products life cycle 9. Management of complex adaptive systems and sustainable development 							
Compulsory literature	<p>Hunter M.L., Gibbs J. Fundamentals of conservation biology. Wiley, 2007. Mulholland K.L. Identification of cleaner production improvement opportunities. Wiley, 2006 Common M., Stagl S. Ecological Economics. Cambridge, 2005</p>							
Optional literature	Epstein M.J., Elkington J., Leonard H.B. Making sustainability Work. Greenleaf. 2008.							
Completion condition	Active participation in the course							
Exam form	Oral and written							
Possible teaching languages	Croatian or English							
Form of quality monitoring	Minutes of lectures and seminars, student questionnaire							