

Course title	Ecology						
Code	ZDOB05						
Study	Postgraduate Interdisciplinary University Study Programme <i>Environment Protection and Nature Conservation</i>						
Semester	I.						
ECTS	6						
Course state	Obligatory						
Professors	prof.dr.sc. Enrih Merdić, Prof.dr.sc. Oleg Antonić						
Colaborators							
Entrance conditions	none						
Aim	The aim of the course is to instruct students in general legality in ecology, to point out necessary methodology of field research and link them to requirements of various fields of action						
Learning outcomes	<p>By completing the course students will be able to:</p> <ol style="list-style-type: none"> 1. Explained relations of ecology toward other scientific areas. 2. Understand the basic environmental setting. 3. Separate biotic systems. 4. Sketch and explain biogeochemical cycles. 5. Identify and explain abiotic factors. 6. Define and explain biotic factors. 7. Describe and discern the environment 8. Describe the aquatic environment (sea and freshwater) 9. Describe terrestrial Environment 						
Connections between students activity, learning outcomes and evaluation	Students activity	ECTS	Learning outcomes	Course activity	Evaluation methods	Points*	
						min	max
	Active participation	1	1-9	Lectures	Minutes	5	15
	Indenpendent preparation of seminar	2	1-9	Seminars	Predefined criteria	15	25
	Preparation for the exam	3	1-4	Problems solving	Exam	35	60
Total	6					55	100
Consultations	According to the students need						
Teaching form	Lectures		Seminars		Exercises		
No. of hours	15		5		5		

Content	Ecology definition, Ecology relationship to other scientific areas, basic Ecology settings, biotic systems (specimen, population, community, ecosystem, biom, biosphere), biogeochemical cycles, abiotic factors, biotic factors. Living environment. Sea environment, freshwater environment (rivers and lakes). Terrestrial living environment, bioms, vegetation. Influence of man.
Compulsory literature	Glavač V. 1999. Uvod u globalnu ekologiju. DUZPO, Zagreb 211 pp. Krohne D.T. 2000. General ecology. Brooks/Cole Pub. Co., 512 pp. Springer P., Springer D. 2008. Otrovani modrozeleni planet, Meridijani, Zagreb 293 pp.
Optional literature	Townsend C.R., Begon M., Harper J.L. 2003. Essentials of ecology. Blackwell Pub. 544 pp. Gurevitch, J., Scheiner, SM., Fox, GA., 2006: Ecology of Plants. 2nd edition, Sinauer Associates Inc., U.S.
Completion condition	Active participation in the course
Exam form	Seminar and oral
Possible teaching languages	Croatian or English
Form of quality monitoring	Minutes of lectures and seminars, student questionnaire