

Study Program: Biology				
Type and level of studies: Bachelor studies				
<b>Course name: Urban ecology</b>				
<b>Lecturer: Božović R. Milan</b>				
Status: Elective				
ECTS: 7				
Attendance Prerequisites: Phytoecology and Zoocology				
<b>Course aims</b> The students should gain a perspective on evolutionary development, the influence of biotic and abiotic factors on the formation of human characteristics, demographic structure and environment as limiting factors of further development and survival of civilization.				
<b>Course outcome</b> Learning outcome of the course content should enable students to form a correct attitude about the role of the anthropogenic factor in the biosphere. They should be able to assess the impact and importance of the environment for the growth, development and health of individuals and human populations.				
<b>Course content</b> Human population. Evolution of civilization, Industrialization, Urbanization, Green revolution. Environmental protection and ecological principles; Economy and resource use. Physical resources: water, air, land. Climatology and global climate change. Air pollution and protection. Water pollution, water resources management. Pollution and land protection. Agrocomplex, agriculture, food, pest control, Ecotoxicology. Biological resources. Conventional energy sources; Renewable energy. Urbanization, sustainable urban development. The waste problem, landfills. Law, environmental policy and planning within the field of environmental protection. Education about environmental protection. International organisations of importance for environmental protection. Natural resources and economy. Common goods and their international status. Legal aspects relating to environmental protection. Water quality monitoring. Methods for determining air pollution; Noise pollution. Bioindicators. Physiological changes of organisms under the influence of pollutants. Environmental protection system; National and international institutions of importance for environmental protection.				
<b>Literature</b> 1. Љешевић М. Животна средина, Универзитет у Београду, Географски факултет, 1999. 2. Љешевић М. Урбана екологија, Универзитет у Београду, Географски факултет, 1999. 3. Љешевић М. Рурална екологија, Универзитет у Београду, Географски факултет, 1999. 4. М. Јахић, Универзитет у Новом саду, Депоније и заштита вода, 1990.				
<b>Number of active classes</b>				Other classes:
Lectures: 2	Practical classes: 0	Other forms of teaching: 2	Students' research work	
<b>Teaching methods</b> Fieldwork, working with collected samples, preparing herbarium specimens, determination, creating herbarium collections.				
<b>Assessment (maximum 100 points)</b>				
<b>Course assignments</b>	<b>points</b>	<b>Final exam</b>		<b>points</b>
activity during lectures	5	written exam		
practical classes		oral exam		60
Term test/s	5			
Seminars	30			
Total	40			60