

Study program: Bachelor academic studies ECOLOGICAL ECONIMICS (BASEEC)			
Type and level of studies: Bachelor academic studies, I level			
Subject name: Preservation and Improvement od Urban Ecosystems		Subject code	6 E3OUE
Professor: <u>dr Radomir Mandić, assistant professor</u>			
Subject status: Elective			
Number of ECTS: 6			
Condition: none			
Subject goal Getting to know the state of the environment and biodiversity in urban ecosystems, with multidisciplinary models and methods of improving the urban ecosystem.			
Subject outcome Acquired knowledge of urban ecosystems, the process of degradation of the urban ecosystem, the consequences of these processes and the possible methods of improving the state of the urban ecosystem.			
Subject content <i>Theoretical classes</i> The development of human society and urbanization. Definition, classification and basic characteristics of urban ecosystem. Land in urban ecosystems. Urban water ecosystem. The air in urban ecosystems. Climate of the urban ecosystems. Biodiversity of urban ecosystems. Ecological footprint of the urban ecosystems. Ecosystem services of urban flora, fauna and vegetation. Spatial planning in the function of preserving the biodiversity of urban ecosystems. Landscape architecture in the function of preserving the biodiversity of urban ecosystems. Conservational and restorative biology in the function of preserving the biodiversity of urban ecosystems. <i>Practical classes</i> Assessment of anthropogenic impacts in urban ecosystems. Models and methods for preserving and improving biodiversity and the environment in URBN ecosystems.			
Literature			
Number of active teaching classes			Other classes
Lectures:2 (30)	Practices: 2 (30)	Other class forms:	
Teaching methods			
Knowledge evaluation (maximum number of points is 100)			
Pre-exam obligations	points	Final exam	points
Activity	10	Written exam	50
Colloquium	20		
Seminar paper	20		