

Study program: Class Teacher Education, Preschool Teacher Education				
Type and level of studies: Bachelor studies, first cycle degree program				
Course unit: Ecology				
Teacher in charge: Jelena M. Mladenović, PhD, Assistant Professor				
Language of instruction: English				
Course status: Elective				
ECTS: 6				
Semester: Winter Semester or summer semester				
Course unit objectives Students will understand the basic laws and cause-effect relationships in the environment, the consequences of human behavior and the impact of human lifestyles on the environment locally and globally, as well as mechanisms and activities in the environmental protection system.				
Learning Outcomes of Course unit Students will be able to: - Define basic environmental concepts; - Explain cause-and-effect relationships in the environment; - Recognize the causes and the consequences of endangering nature; - Assess the importance of biodiversity for the survival of life on Earth; - Propose activities in protection, restoration and improvement of the environment.				
Course unit contents <i>Theoretical classes:</i> The concept and significance of ecology; Environment, habitat; Ecological factors; Adaptations; Population; Ecological community; Ecological niche; Producers, consumers and decomposers; Food chains and food networks; Ecosystems, structure and organization; Biomes; Biosphere, atmosphere, hydrosphere, lithosphere; Ecosystem diversity (terrestrial and aqueous); Anthropogenic ecosystems (city, park, agroecosystem); Energy sources; Pollution of air, water, soil; Biomonitoring; Diversity of the living world – biodiversity; Nature conservation, Natural Resources of Serbia. <i>Practical teaching:</i> Field research, observation of nature, ecological diary, demonstrations of practical works, activities in nature, ecological activities, natural corner in kindergarten, bonton in nature, ecological footprint, carbon footprint, integration of ecological contents in the activities of educational work with children.				
Literature Hans Ulrik Riisgard. <i>General Ecology: Outline of contemporary ecology for university students</i> , 2 nd edition. Bookboon, 2018. F. Stuart Chapin, III, Pamela A. Matson and Peter M. Vitousek. <i>Principles of Terrestrial Ecosystem Ecology</i> , Second Edition. Springer New York Dordrecht Heidelberg London, 2011. Robert Steele. <i>Environmental protection</i> . UNESCO. 2010. <i>Global Biodiversity</i> . UNEP. Secretariat of the Convention on Biological Diversity. Montreal, Canada. 2010. <i>Additional literature</i> Selected educational films and content from the Internet				
Number of active teaching hours				Other classes
Lectures: 30	Practice: 15	Other forms of classes: mentoring system	Independent work: project work, presentations	
Teaching methods Interactive classes (individual and in small groups), discussions, workshops, problem solving and implementation of research activities, presentations and mentoring.				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points	Final exam		No. of points
Student's activity during lectures	10	written examination		40
Practical classes/tests	30	oral examination		-
Seminars/homework	10			
Project	10			

Grading system

Grade	Number of points	Description
10	91-100	Excellent
9	81-90	Exceptionally good
8	71-80	Very good
7	61-70	Good
6	51-60	Passing
5	≤50	Failing