

(Table 5.2) Course unit description

Study program: Ecology				
Type and level of studies: Undergraduate academy study – I level of studies				
Course unit: Project Management in Environmental Sciences				
Teacher in charge: Filip Vukajlović, PhD				
Language of instruction: English				
ECTS: 4				
Prerequisites: /				
Semester: Winter semester				
Course unit objective Introducing students to theoretical and practical knowledge and skills related to the phases and tools of project management in the fields of environmental sciences and ecology.				
Learning outcomes of Course unit Students are trained to independently and collaboratively develop and implement their ideas in environmental sciences and ecology through scientifically based and practically tested concepts. Using appropriate methods of organization, information technology, artificial intelligence, planning, leadership, and control, they will efficiently coordinate necessary resources and activities to ensure the successful execution of a project.				
Course unit contents <i>Theoretical classes:</i> Concept and definition of a project. Types of projects. Project life cycle. Project objectives. Project management and organizational concepts. Matrix organization. Participatory preparation of project proposals in the field of environmental sciences. Collection of data and information for project proposal development. Workshops for participatory decision-making on ideas, objectives, outcomes, and activities of future projects. Identification of appropriate project financing models. Cost estimation methods. Risk management and analysis. SWOT analysis. Project execution process. Project quality management. Project communication process. Change management in projects. Planning project implementation and timelines. Monitoring and controlling project implementation and costs. Project reporting systems. Project management methods and techniques, including structural diagrams. Entrepreneurship in environmental protection. Startup projects. Lean Canvas model.				
Literature Project Management Institute. A Guide to the Project Management Body of Knowledge (PMBOK® Guide). Seventh Edition. and the Standard for Project Management. Project Management Institute, Inc., 2021.				
Number of active teaching hours				Other classes: 0
Lectures: 30	Practice: 0	Other forms of classes: 0	Independent work: 0	
Teaching methods Power point presentations, video clips, seminars, consultations, laboratory and field work.				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points	Final exam	No. of points	
Activities at lectures	10	Oral examination	30	
Project development	30			
Project presentation	30			
Grading system				
Grade	No. of points		Description	
10	≥ 91		Excellent	
9	81-90		Exceptionally good	
8	71-80		Very good	
7	61-70		Good	
6	51-60		Passing	

5	≤ 50	Failing
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