

Study program: Environmental protection			
Type and level of study: Master academic studies			
Course Title: Revitalization and remediation of the environment			
Teachers: : Dunja Prokić			
Status: Obligatory, III semester			
ECTS: 8			
Prerequisite: None			
The goal of course The goal of Revitalization and remediation of the environment course is to introduce students to the basic types of environmental pollution, as well as the basic principles of revitalization and remediation methods of the environment.			
The outcome of the subject Completing the planned program, students will be able to understand the processes that lead to the degradation of the environment and to be able to use the process for environmental protection, as well as different methods of revitalization and remediation of the environment.			
Syllabus <i>Theoretical study –</i> State of the environment: characteristics and assessment. The concept of degraded areas. Deforestation, biological, chemical and physical degradation of the environment. Natural and anthropogenic factors affecting the degradation of the environment. Identification, analysis and assessment of degraded areas. The effects of degradation. Basic principles of revitalization and remediation. Access to remediation facilities. Soil remediation technologies. Water remediation technologies. <i>Practical classes -</i> Introduction to the methods of data collection and analysis of degraded areas. Introduction to the existing environmental revitalization and remediation projects.			
Literature			
<ol style="list-style-type: none"> 1. M. Alexander (1999). Biodegradation and Bioremediation, 2nd ed, Academic Press 2. Kostić, A. (2007). Inženjering zaštite životne sredine. Univerzitet u Beogradu. Hemijski fakultet. Beograd 3. Šerov Sokolović, R.; Sokolović, S. (2002). Inženjerstvo u zaštiti okoline, Univerzitet u Novom Sadu. Tehnološki fakultet. Novi Sad. 4. Green Chemistry for Environmental Remediation Rashmi Sanghi, Vandana Singh, Willey, 2012 			
Number of lectures: 7			Other Classes
Lectures: 3	Practices: 2	Other forms of teaching: 2	
Student research work:			
Teaching methods: Lectures, discussions with students, individual and team work, preparation and public defense seminar papers.			
Score (maximum 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	10	Written exam	
Practical classes	10	Oral examination	40
Colloquia	20		
Seminars	20		
<i>Total</i>	60		40