

<b>Study programme:</b> MAS Geography			
<b>Course title:</b> Recultivation and remediation of ecosystems			
<b>Teacher(s):</b> <a href="#">dr Slobodan Marković</a> , <a href="#">dr Miliivoj Gavrilov</a>			
<b>Status:</b> compulsory			
<b>ECTS:</b> 7			
<b>Requirements:</b> none			
<b>Learning objectives:</b> Students will be introduced to problems and processes of soil, water revitalization as well as with other significant ecosystem components that are threatened and degraded.			
<b>Learning outcomes</b> After successfully completing the course the students will be able to: Identify different forms of degradation; Identify the factors and processes that lead to degradation; Understanding the importance process in protecting the environment.			
<b>Syllabus</b> <i>Theoretical part:</i> Biodegradation of organic components, degradation capacity of ecosystems, remediation processes, bioremediation technologies, pollution of natural environment by hazardous organic and inorganic waste. The focus will be on decontamination techniques and recultivation and remediation programs.  <i>Practilac part:</i> Field investigations, case studies in the world and in the country.			
<b>Literature</b> Galić, Z., Ivanišević P., Marković S. B., Orlović S., Svirčev Z., Vasić V., 2007: <i>Ecological Characteristics and the Remediation Potentials of Opencast Mines at Čelarevo and Šajkaš Brickyards, Vojvodina, Serbia</i> . Geographica Pannonica 11, 39-42. Sekulić P., L. Maksimović, J. Vasin, J. Ninkov, T. Zeremski-Škorić, S. Milić, 2010: <i>PROJEKAT SANACIJE I REMEDIJACIJE TALOŽNOG BAZENA–GRABE NA BUŠOTINI Krz-1 POGONA “PODUNAVLJE”</i> , p. 99, INSTITUT ZA RATARSTVO I POVRTARSTVO, Novi Sad Sekulić P., L. Maksimović, J. Vasin, J. Ninkov, T. Zeremski-Škorić, S. Milić, 2010: <i>PROJEKAT SANACIJE I REMEDIJACIJE TALOŽNOG BAZENA–GRABE NA BUŠOTINI Sir-21 POGONA “PODUNAVLJE”</i> , p. 100, INSTITUT ZA RATARSTVO I POVRTARSTVO, Novi Sad Alexander, M. (1994): <i>Biodegradation and Bioremediation</i> . Academic Press San Diego McKinney, M. L., Schoch, R. M., Yonavjak, L., 2007: <i>Environmental Science-Systems and Solutions</i> . Jones and Bartlett Publishers, London Jorgensen, S. E., 2009: <i>Applications in Ecological Engineering</i> . Elsevier B.V. Amsterdam			
<b>Weekly teaching load</b> 5 (75)	<b>Lectures</b> 3	<b>Exercises</b> 2	
<b>Methods of Teaching</b> Настава ће бити реализована у виду предавања и семинарског рада. Предавања се изводе коришћењем компјутерских презентација на видео проектору, пројекцијом филмова, грађевинске грађе и слајдова. Вежбе се изводе практично на теренској настави и у виду излагања семинарског рада.			
<b>Grading method (maximum 100 points)</b>			
<b>Pre-examination assignments</b>	points	<b>Final examination</b>	points
Activities during lectures	<b>0-5</b>	Written examination	
Activities during exercises	<b>0-5</b>	Oral examination	<b>30-45</b>
Colloquia	<b>20-40</b>	.....	
Seminar paper	<b>0-5</b>		