

<b>Study Programme :</b> MSc in Ecology			
<b>Degree level:</b> Master Degree			
<b>Course Title:</b> Research methods in hydrobiology and open waters management			
<b>Professor:</b> Dr Branko Miljanović			
<b>Elective Course</b>			
<b>Number of ECTS:</b> 8			
<b>Prerequisites:</b> passed exam in Hydrobiology			
<b>Course Objective:</b> Obtaining theoretical knowledge and practical experience on the importance of open waters in terms of natural resources and national treasures			
<p><b>Course Outcome:</b> Following the attended course, student is expected to:</p> <p>a) understand the importance of appropriate methodology in open waters research</p> <p>b) understand the importance of structures and processes in open waters</p> <p>c) be able to actively participate in designing of management plans for open waters, and to organize and supervise fish stocking and similar activities in these water bodies</p> <p>As part of his activities, a successful course attendant should be able to actively participate in supervision of accomplishment of water bodies management plans and corresponding legislatives.</p> <p>Finally, a successful course attendant should actively take part in activities towards the prevention and resolution the issues regarding pollution of water bodies.</p>			
<p><b>Course Content:</b></p> <p><i>Theoretical part</i></p> <p>Methodology of hydrological surveys. Hydrographical characteristics within catchments. Hydro-chemical characteristics in open waters. Plankton community in open waters. Aquatic microbiology. Aquatic macrobenthic invertebrates. Fish fauna. Fisheries and angling in open waters. Economical aspect of open water management. Legislative regarding open water management.</p> <p><i>Practical part</i></p> <p>Will be related to and following the theoretical part of the course.</p>			
<p><b>Reading List:</b></p> <p>1. Ivanc, A. &amp; Miljanović, B. (2003): Reservoirs, multidisciplinary approach to sustainable development. Faculty of Sciences, Novi Sad. (In Serbian)</p> <p>2. Miljanović, B. &amp; Ivanc. A. (2001): Midterm programme for fisheries development in the fishing area of reservoir „Grište“ for period 2001’2005. Agency „Pro-Eko“, Novi Sad. (In Serbian)</p> <p>3. Šimić, S. &amp; Ivanc. A. (1999): Environment protection and intensive fish aquaculture. University of Novi Sad, Faculty of Sciences, Ekological party of Novi Sad town, Novi Sad. (In Serbian)</p>			
<b>Total hours:</b>			
Lectures: 2	Practicals: 2	Other:	Student research work: 5
<p><b>Methods of instruction:</b></p> <p>The course will include lectures and mandatory work on essay. Lectures will be conducted by using power point presentations, movies and slide-projections, as well as some practical field work. Practicals will be conducted in the lab or in the field.</p>			
<b>Assessment (maximum number of points 100)</b>			
<b>Requirements</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Active participation in lectures	5	Written exam	30
Active participation in practicals	30	Oral exam	15
Test(s) or			
Other	10		
Seminars	10		
<b>Remark:</b>			