

Study program: Faculty of Environmental protection			
Type and level of study: Doctoral academic studies			
Course Title: METHODOLOGY OF SCIENTIFIC AND EXPERT WORK			
Teacher(s): <b>Mirjana Radovanović</b>			
Status: OBLIGATORY, I semester			
ECTS: 15			
Prerequisite: None			
<p>The main goal of the realization of the course is to introduce students with basic principles of scientific methodology and professional work. The main objective will be achieved through achieving additional goals, which are, primarily, to introduce students to the application of the methodology in practical and theoretical research, introduction to basic types and structure of scientific research, and training for the development of master's thesis, PhD dissertations and other academic articles. One of the major objectives of the subject certainly is encouraging students to actively participate in scientific and research work.</p>			
<p>Mastering the methods and techniques required for individual and team conduct scientific and expert work for planning, implementation and presentation of research. Students will be able to independently and / or as a team to participate in scientific work, and they will be able to structure, complete and present a scientific work and scientific results.</p>			
<b>Syllabus</b>			
<i>Theoretical study -</i>			
1 Definition of basic terms			
2 Scientific research and expert work			
3 Scientific cognition			
4 Basic methods of acquiring knowledge			
5 The structure of scientific research			
6 Planning of Research			
7 Realization of Research			
8 Presentation of Research			
9 Classification of scientific papers			
<i>Practical classes - case studies - examples of proper and improper methodology</i>			
<b>Literature</b>			
Pevic, D.: Methodology of scientific research, TIMS, Belgrade, 2009.			
Todorovic, Z., Siljakovic, I., Matic, T.: Instructions for making expert and scientific papers, University of Banja Luka, Banja Luka, Bosnia and Herzegovina, 2007.			
Scientific Method for Ecological Research, E. David Ford, Cambridge University Press, 2004.			
Number of lectures:			Other Classes
Lectures:2	Practices:8	Other forms of teaching:	Student research work:
Teaching methods: Teaching methods include lecture and active student participation through			
Score for grading (maximal 100 points)			
Pre-commitments	Poens	The final exam	Poens
Activity during lectures	10	Written exam	
Practical classes		Oral examination	40
Colloquia	30		
Seminars	20		
Total	60		40