

Study program: Bachelor academic studies: Environmental Protection (BASEP)			
Type and level of studies: Bachelor academic studies, I level			
Subject name: Basics of Methodology		Subject code	604OML
Professor: dr Milena Milojević, assistant professor			
Subject status: Mandatory			
Number of ECTS: 7			
Condition: none			
Subject goal Familiarizing with basic concepts of scientific methodology (induction, deduction, hypothesis, scientific laws and theories), insight into the main viewpoint of the modern methodology and learning the techniques of scientific research (observation, interviews, surveys, comparative-historical approach, experiment, content analysis, statistical procedures etc); spotting the difference between philosophical, psychological, sociological and economic approach to science; recognition of levels of scientific research; observation of organizational problems in science (research project), the importance of social circumstances and ethical moments in science.			
Subject outcome Students are able to carry out scientific research in both natural and social sciences, as well as writing reports on research or scientific papers. Mastering the skills of critical reading and use of scientific literature in educational and research purposes. Training to detect and eliminate common logical and methodological errors in theoretical and empirical research.			
Subject content <i>Theoretical classes</i> 1. Introduction remarks, explanations of methodology study objective; 2. General characteristics of science, classification of sciences; 3. Quantitative methods: induction, probability and statistics; 4. Observation (observation) and experiment; 5. Survey - types and application; 6. Interview; 7. Case Study; 8. Comparative method; 9. Text and logical method; 10. Experimenting in natural and social sciences; 11. The study and planning of social change and development; 12. Different approaches to science (sociological, psychological, etc.); 13 Degrees of scientific research; 14. The organization of scientific research; 15. Preparation for the exam. <i>Practical classes:</i> Writing seminar paper, bibliographies or draft of final paper. Oral presentations of students.			
Literature 1.St. Novaković, <i>Uvod u opštu metodologiju i istorija metodološke misli</i> , FF Beograd, 1996. 2.Staniša Novaković, <i>Filozofija, metod i razvoj naučnog saznanja</i> , Inst. Za fil., Beograd, 2000. 3. Vojin Milić, <i>Sociološki metod</i> , Zavod za udžbenike, Beograd, 1997. 4.Mihailo Djurić, <i>Problemi sociološkog metoda</i> , Službeni glasnik, Beograd, 2009.			
Number of active teaching classes			Other classes
Lectures:4(60)	Practices: 4(60)	Other class forms:1(15)	
Teaching methods Interactive teaching - lectures, discussions on the application of scientific methods in ecological research, analysis, case studies, audio-visual exercises. Production, presentation and discussion of the seminar papers and oral presentations of students on methodological issues. Creation of control questions, a colloquium, seminar papers, oral exam. Discussions on the draft project of graduation thesis.			
Knowledge evaluation (maximum number of points is 100)			
Pre-exam obligations	points	Final exam	points
Activity during classes	10	Written exam	50
Seminar paper	20	Oral exam	
colloquium	20		