Table S2.6.4. Form for the preparation of the course information sheets						
Name of the subject: Methodology of science and research work						
Code of the subject	Status of the subject	Semest	er	Number of ECTS credits	Class load	
	Obligatory			10		
Study programme for which it is organized: Doctoral studies in sustainable development, MARDS						
Dependency by other subjects: None						
Objectives of stud The course aims to scientific work and r the scientific work.	ying this subject: o enable students to esearch methods, wa	acquire lys to colle	knowlede ect facts,	ge and train them in presenting the scienti	the methodology of fic results and writing	
Contents of the su presented per wor	ubject (teaching uni king weeks in the ac	ts, forms ademic o	of stud alendar	ents' individual wor :	k, forms of testing)	
Preparatory week	atory week					
Iweek	Philosophical, p	Philosophical, psychological, epistemological and ethical bases of scientific methodology.				
II week The concept and function of methodology. Methodology and scientific theory. Sour methodological knowledge.				ific theory. Sources of		
III week Components of the methodology.						
IV week	logical thinking. memorising.	logical thinking. Logical errors: general and particular. The process of learning and memorising.				
V week	ek Means and methods of scientific research. Means of scientific research.					
VI week	Research metho of scientific work methodology of	Research methods. Organization of scientific research. Gathering facts in the methodology of scientific work. General method, concept of methods and types of methods in the methodology of scientific-research work.				
VII week	Techniques of s	Techniques of scientific-research work.				
VIII week	Scientific resear source of resear working hypothe	Scientific research design. Research project (plan). Stages of scientific-research work: source of research areas and topics; scientific informatics; study of existing literature; working hypothesis; goal of the work.				
IX week	Colloquium.	Colloquium.				
X week	Scientific resear experiment. Pilo	Scientific research technology. Data collection strategy. Planning and performing an experiment. Pilot study. Data analysis and processing.				
XI week	Organization of	Organization of collective scientific research.				
XII week	professional and Structure and w	Presentation or scientific results: oral presentation and poster presentation; Types or professional and scientific papers; Structure and writing of a scientific paper.				
	Scientific journa	Adoctice and whiting of a soleration paper. Feening as of whiting a soleration paper.				
XV week Scientific criticism Scientific ethi			ethics			
Methods of education:						
 lectures exercises seminar par consultation field work 	pers Is					
Students' load						
Weekly			In Semester			
Students' obligations during the teaching: Attendance at lectures is mandatory, as well as homework and colloquia.						
Literature: 1. Alexander M. I to Research D 2. Briscoe, M.H. and publication 3. Milankov V. i M	Novikov, Dmitry A. No esign. CRC Press, 13 1996. Preparing scier ns. 2 nd ed. Springer, N Kakšić P. (2006) Meto	ovikov – R 30 pp. ISE htific illusti New York. dologija n	esearch 3N 97811 rations: a aučno-is	Methodology: From Pl 380003081. guider to better poste traživačkog rada. PMF	hilosophy of Science rs, presentations -, Novi Sad.	

Learning outcomes (complied with the outcomes for the study programme):

After successfully completing the exam and pre-exam obligations, the student acquires knowledge and skills in the organization of performing the research process and of its structure, as well as in the preparation and presentation of scientific results, including writing scientific papers.

Forms of tests and evaluation:

- colloquium: 20 points
- homework: 30 points
- final exam: 50 points

Name and surname of teacher and associate:

Particularities needed to be emphasized for the subject:

Note (if needed):