

Course title: Selected Chapters of Teaching Methods in Biology				
Lecturer: Tomka Miljanović				
Required Course: elective				
Number of ECTS: 15				
Prerequisites:				
Course Objective: to train PhD students for biology teaching in school introducing principles of present-day education. The subject relies upon biological scientific disciplines pedagogy and psychology.				
Course Outcome: Acquiring knowledge and skills to plan, program, organise, innovate and conduct biology teaching, in accordance with the demands of modern education.				
Course Content:				
<i>Theoretical part</i>				
Concept of study of biology teaching methods. Biology teaching methods in the system of scientific disciplines. Biology as science and as teaching subject in contemporary education. Aim and outcomes of biology teaching at different levels of education. Specificity and characteristics of acquisition of knowledge of biology. Education in the process of biology teaching. Didactic principles in biology teaching. Analysis of biology curricula in elementary and high schools. Correlation between teaching topics. Coordination between biology and other subject matter. Biology in integrated teaching of sciences. System of knowledge, skills, and habits in biology: terms, definitions, laws, and generalisations. Formation and development of biological terms.				
<i>Practical part</i>				
Practical part of the course follows theoretical topics listed above.				
Reading List:				
1. Antić, S., Jankov, R., Pešikan, A., ed. (2005): Kako približiti deci prirodne nauke kroz aktivno učenje, Institute of Psychology, Belgrade.				
2. Vilotijević, M. (1999): <i>Didaktika 1-3</i> , Naučna knjiga and Faculty of Teaching, Belgrade.				
3. Jukić, S., Lazarević, Ž., Vučković, V. (1998): <i>Didaktika – izbor tekstova</i> , Faculty of Teaching, Jagodina.				
4. Ivić, I., Pešikan, A., Antić, S. (2001): Aktivno učenje 2, Institute of Psychology, Belgrade.				
5. Žderić, M., Miljanović, T. (2001): <i>Metodika nastave biologije</i> , Faculty of Sciences, Novi Sad.				
6. Žderić, M., Stojanović, S. (1996): <i>Didaktička sredstva u nastavi biologije</i> , Todor, Novi Sad.				
7. Miljanović, T., Žderić, M. (2001): Didaktičko-metodički primeri iz Metodike nastave biologije, Faculty of Sciences, Novi Sad.				
Total hours:				10
Lectures: 5	Practicals:	Other:	Student research work: 5	
Methods of instruction: Interactive teaching				
Assessment (maximum number of points 100)				
Requirements				
Active participation in lectures 10pts				
Active participation in practicals 10pts				
Seminar work 20pts				
Oral exam 60pts				