

Course title: Problems in Contemporary Biology Teaching				
Lecturer: Tomka Miljanović				
Elective Course:				
Number of ECTS: 15				
Prerequisites:				
Course Objective: Teaching students how to use contemporary didactical media in biology teaching, introduction to new educational software packages in Biology and their practical use, use of Internet in biology teaching.				
Course Outcome: Ability of future biology teachers to fully and correctly use contemporary educational technology in Biology teaching.				
Course Content:				
<i>Theoretical part</i>				
Didactical media in education.				
Didactical media in Biology teaching.				
Use of multimedia in contemporary Biology teaching.				
Virtual vs physical laboratory experiments.				
Effects of applied IT in Biology teaching.				
Pictures, graphs, slides in Biology teaching vs natural teaching aids.				
Working in classrooms vs fieldwork in Biology teaching...				
<i>Practical part</i>				
Practical part of the course follows theoretical topics listed above.				
Reading List:				
1. Vilotijević, M. (1999): Didaktika 3, Institute for textbook publishing and Faculty of Teaching, Belgrade.				
2. Grujičić, M. (2005): Influence of Contemporary Didactical Media on Biology Teaching Efficiency, PhD Thesis, Faculty of Sciences, Novi Sad.				
3. Mandić, D. (2003): Didaktičko-informatičke inovacije u obrazovanju, Mediagraf, Belgrade.				
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				