

UNIVERSITY "UKSHIN HOTI" PRIZREN

Educational faculty

PROGRAM: Basic program

SYLLABUS												
Level of studies		Bache	helor Program		n	EDU- Bos	Academic y		year	2018/2019		2019
SUBJECT		Fundamentals of Natural Sciences with Methodology II										
Year Semester	1rd IV	Status Of the subject	ele	ctoral	Code				ECTS credits 5		5	
Teaching weeks			15		Hours teaching		ing	45		ectures		Exercises
Teaching Methodology		Lectures, exercices, seminar papers, consultations, etc.										
Consultations	1	1 hr / week										
Professor		Prof. ass. Ajka Aljilji		E-mail:		!:	ajka.aljilji@uni-prizren.com					
11050501				Tel.:		045 438 378						
Assistant					E-mail:		!:					
						Tel.	:					

Study goal and table of content	Benefits of student
The basics of natural sciences with methodics are extremely important for the development of thinking. Learning of natural sciences is a key impetus for the development of forms of formal thinking called the experimental thinking that is encountered when studying the experiment The influence of the environment is necessary for the study of natural sciences because it studies matter, and the matter is all around us.	 In the context of teaching natural science, students will also learn about the ways of planning the teaching process, where it deals with lenses, new daily plans, a new structure that implies ERR. Students also get acquainted with the ways of assessing and formulating questions. Content of the program: methodology of teaching, role of teachers in the process of teaching, motivation of students for work, analysis of activities and role of pupils in teaching. Assessment of student knowledge, analysis of realized teaching, teaching planning, teacher questions and assignments, student assessment, knowledge testing using tests, teaching techniques and acquiring knowledge.

Methodology for the implementation of educational topics:						
 Presentation of a teaching topic in Power Point (the student can download the presentation. 						
• A student case or task (during exercise) is associated with a lecture topic.						
 Practical work with students in the laboratory. A 	 Practical work with students in the laboratory. Analysis of the experiment. 					
Conditions for realization of educational topics:						
Adequate literature, tables, computers, projectors, labs.						
Ways of assessing of the student (in %) :Evaluation in%Final grade						
	01 100	10 ()				

• Regularity in lectures 0-5%	91-100	10 (ten)
• Activity 0-5%		
Seminar paper 0-10%	81-90	9 (nine)

		1					
• Test I 0-10%			71-80	8 (8 (eight)		
• Laboratory exercises 0-10%			61-70	7 (7 (seven)		
• Final exam 0-50%			51-60	. (.			
• Participation in exercises 0 - 5%			0.50	6	6 (six)		
• WORK	t on groups on tasks and case studies 0-5%		0-50	5	(five)		
Tota	al 100.00 %						
Obliga	ntions of student:						
	Lectures			Exercises			
T	he student should be regular in lectures and		The student s	hould be active i	n exercise	es and	
es	pecially in exercises, make use of all learning		reflect the	readiness and	knowledg	ge of	
op	pportunities, use compulsory and broader		initiatives, i	deas and dem	onstration	s of	
lit	erature, be active and respect the rules on high		knowledge a	cquired through	lectures	and	
SC	chool ethics in courtesy and cooperation.		experimental e	exercises.			
Activit	tion	Ц	our/wooks	Dove/Woolze	Tot		
Acuvi	acturas		2.	15	30	al	
	aboratory exercises		2 15		30	30	
	ontacts with teachers / consultations		1	15	15	15	
	ractical work		1	15	15		
1	rojects presentations atc		1	15	15		
	vn study time		1	15			
D D	reparation for final exam		2	10			
T	Teparation for final examination of the assessment (tests, final examples) 4 0 0			0			
	ine spent in the assessment (tests, final exam, etc	.)	-	-			
Notice	: 1 ECTS credits= 25 hour commitment, e.g. if t	he subje	ct has				
SECTS	5 credits student must have 150 hours during the s	semester		Total load:	125		
comm							
Week	Lectures	Hour	Exercises				
	Торіс			Торіс			
	Constructive model of learning		Constructiv	e model of lear	ning		
1			Duit	ainles of constants		1	
1	Introduction.	2	 Pfil log 	cipies of construct	uve	1	
	 Plan and program. Principles of constructive learning 		Ital	ning.			
	- Thicipies of constructive learning.						
	Specific characteristic for learning natural		Specific char	acteristic for lea	rning		
	Specific characteristic for learning natural sciences		Specific char natural scier	acteristic for lean	rning		
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4	 Educational strategies and methods What are the strategies and methods. What methods of work do we have in natural sciences. 	2	 Educational strategies and methods Practicing strategies and methods in teaching natural sciences. 	1
5	 Learning strategies by discovery What is a strategy. Which strategies are best for work. Developing strategies in teaching. 	2	 Learning strategies by discovery Exercises Developing strategies in teaching. 	1
6	First intermedial evaluation	2	ExercisesDeveloping strategies in teaching	1
7	 Prerequisites for improving the teaching of natural sciences What are the prerequisites for learning native sciences. What are its characteristics. Improving teaching. 	2	 Prerequisites for improving the teaching of natural sciences Exercises Exercise lesson of natural science 	1
8	ModelsWhat are the models.Where models are used.	2	Models Laboratory analysis models 	1
9	 Schemes What are the schemes. What is their role in everyday life. 	2	SchemesDrawing schemes.	1
10	 Training for the application of scientific information in different situations What is the information and their role in teaching. Correct application of information. Forwarding information. 	2	 Training for the application of scientific information in different situations Exercise. Forwarding information. 	1
11	Other intermedial evaluation	2	ExerciseMeasuring time.	1
12	 Evaluation What is the rating. Methods of evaluation. Rules in the evaluation. 	2	EvaluationExercise, rules in the evaluation.	1

13	 Homework What are homework? How Homework Assesses. What are the criteria for evaluation. 	2	HomeworkExercise, how Homework.Assesses.	1
14	 Tests and assessment What the test which is their role. Types of tests. 	2	Tests and assessmentExercise, types of tests.	1
15	 Preparation of teaching teachers The role teacherof education in education. 	2	 Preparation of teaching teachers Exercise, the student is holding the clock. 	1

LITERATURE:

M. Sikirica: Metodika nastave hemije (priručnik za nastavu hemije). Školska knjiga, Zagreb, 2003.

V. Matijević, M. Randelovic, M. Trivic D. Bojović, S. Zindovic-Vukadinovic G.: Efikasnost različitih metoda nastave i učenja hemije u osnovnoj školi, Pedagoško društvo Srbije, "Nastava i vaspitanje" br. 4, 2013.

I. Ivić, A Pešikan, S. Antić: Aktivno učenje 2, Priručnik za primjenu metoda aktivnog učenja nastave; Institut za psihologiju, Beograd, 2003.

N.Čabrilo, R. Sušić: Prirodne nauke metodika 2010, Podgorica.

I. Vinković Vrček, Dada Lerotić ., Hemija - Zagreb2010.

Notice for the student:

Students are required to be regular in the lectures and exercises section. The contribution of students in the form of conversation and cooperation with students will be evaluated. Timely arrival in lectures and exercises is mandatory.