UNIVERSITY IN PRIZREN
FACULTY OF EDUCATION
DEPARTMENT ON BOSNIAN LANGUAGE

TEACHING PLAN-PROGRAM – SYLLABUS							
Level of study	BACHELOR	***Departament***	Primary	***Academic year***	2018/2019		
SUBJECT	**Methodology knowledge of mathematical concepts**						
Year	II	***Subject status***	MANDATORY	***Code***	**Edu 130**	***ECTS credits***	7
Semester	IV						
Teaching weeks	15	***Teaching classes***				Lectures	Practice
						2	1
Methodology of teaching	Lectures, practice, consultation, tests, case study,						
Consultation	One hour before and one hour after the lecture						
Lecturer	**Phd. Mejdin R. Saliji**			e-mail	**mejdins@gmail.com**		
				tel.	**044 317201**		
Assistant				e-mail			
				tel.			

The main goal of the study and the content of the subject	**Student benefits**
Students should adopt basic knowledge from the method of developing initial mathematical concepts.	- Prepare students through modern theoretical knowledge and practical teaching for independent and creative work in the field of development of mathematical concepts in pre-school children. - Training of students for the application of methodological procedures, taking into account the principle of age and individual appropriateness and the principle of constructivist approach in the development of mathematical concepts. - Training of students for the structured environment in which children stay in a way that will stimulate the development of mathematical concepts of concepts and structures.

The methodology for the implementation of teaching topics:

Presentation of an educational topics in Power Point, practice on large sheets. Repeat the previous topic from a certain group of students, analyzes, research and team practice. Study case or task (for class practice) on the subject of the lecture. The lab is equipped with computer and projector, boards for practicing numerical tasks.

Conditions for realization of the teaching topic:

Lab is equipped with computer and projector, sheets for performing numerical tasks.

Student evaluation method (u %) :

- Regularity in lectures 0-5%
- Activity 0-5%
- Seminar essay 0-10%
- Test I 0-10 %
- Test II 0-10%
- Final exam 0- 50%
- Participation in exercises 0 - 5%
- Group work on tasks and case studies 0- 5%

Evaluation in %	**Final note**
91-100	10 (ten)
81-90	9 (nine)
71-80	8 (eight)
61-70	7 (seven)
51-60	6 (six)
0-50	5 (five)

Students obligation:

Lectures	**Practice**

Students obligation:			
Lectures	**Practice**		
Student duties for the subject:			
Activity	**Classes**	**Days/Weeks**	**Total**
Lectures	**2**	**15**	**30**
Exercises	**1**	**15**	**15**
Practical work	**-**	**-**	**-**
Contacts with lecturers / consultations	**1**	**15**	**15**
Field exercises	**-**	**-**	**-**
Colloquiums, seminars	**2**	**2**	**4**
Homework	**2**	**5**	**10**
Self-contained work	**2**	**15**	**30**
Final exam preparation	**1**	**6**	**6**
Overpast period, success (tests, quiz, final exam, etc.)	**1**	**10**	**5**
Projects, presentations, etc.	**2**	**10**	**5**
Note: 1 ECTS credit. = 30 lectures. engagement, e.g. If the subject has 5 ECTS credits the student should be engaged during the semester 120 lectures.		**Total:**	**120**

Week	**Lectures**		**Exercises**	
	Topic	**Class**	**Topic**	**Class**
1.	Mathematics and mathematics education	2		1
			Elements of mathematical logic	
2.	Development of mathematical concepts in preschool children.	2	Designing mathematical concepts through examples.	1
3.	Establishment of initial mathematical education on set theory. Some concepts of set theory.	2		1
			Sets - Examples and Tasks	
4.	The development set of a concept in preschool children.	2		1
			Sets - Examples and Tasks	
5.	A set of natural numbers.	2		1
			Natural Numbers - Tasks.	
6.	Development of the concept of number in pre-school children	2		1
			Natural Numbers - Examples and Tasks.	
7.	Development of the concept of space and spatial relations in pre-school children	2	First colloquium	1
8.	Development of the concept of time and time relationships in pre-school children	2		1
			Time relationships and measuring time - examples and tasks.	
9.	Modern understanding of Euclidean geometry	2		1
			Geometry - Tasks	
10.	Geometric figures	2		1
			Geometric figures - Tasks	
11.	Development of the concept of geometric figures in pre-school children		Geometric figures - examples and tasks	
12.	Sizes and measures and their place in educational work with pre-school children.	2		1
			Second colloquium	

13.	Development of spatial dimensions in preschool children.	2		2
			Spatial Dimensions - Examples and Tasks.	
14.	Development of the concepts of size and their measurement in children of preschool age.	2		2
			Measuring the size and dimensions - primers and tasks	
15.	Planning work	2		2
			Written preparation	

LITERATURE:

Literature:
Development of initial mathematical concepts in children of preschool age, Nedeljka Dobrić, Beograd 1981

Additional Literature:
Early mathematics education of preschool children, Milica Ćebić, 2009

NOTICE:

For each subject, students will be equipped with the necessary material in Bosnian language. At the end of each class, a certain group of students will be engaged with assignments or case studies on the topic of lectures. The results achieved task, groups of students need to present and discuss in class exercise.

Notice for students:

First of all, students should be aware and respect the rules of study. You need to respect the schedule of lectures, exercises and seminars, be attentive in class. During the preparation of seminar papers, the student must adhere to the instructor's instruction for research and work techniques. The exam is assessed individually for each student. Students should focus only on their own knowledge, possible violation of these ethical principles (rules) are punished in accordance with the law.