



**UNIVERSITY IN PRIZREN
FACULTY OF EDUCATION
DEPARTMENT ON BOSNIAN LANGUAGE**

TEACHING PLAN-PROGRAM – SYLLABUS

Level of study	BACHELOR	Department	Primary	Academic year	2018/2019		
SUBJECT	Methodology of teaching mathematics I						
Year	II	Subject status	MANDATORY	Code	Edu 123	ECTS credits	7
Semester	IV						
Teaching weeks	15		Teaching classes		Lectures	Practice	
					3	2	
Methodology of teaching	Lectures, practice, consultation, tests, case study,						
Consultation	One hour before and one hour after the lecture						
Lecturer	Mr. 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
The main goal of this subject is to get to know elementary characteristics of teaching mathematics in classroom teaching and to critical thinking, qualitative and creative planing and preparing mathematics teaching in classroom using modern knowledge of didactic and methodology of mathematics teaching.	<ol style="list-style-type: none"> 1. Recognize the importance of learning mathematics. 2. Describe the cognitive characteristics of the learning process of mathematics. 3. Define and promote modern standards of mathematical competence. 4. Define and apply basic principles in teaching mathematics. 5. Define teaching methods and methodical forms of work in mathematics teaching. 6. Apply modern teaching resource and aids in the initial teaching of mathematics. 7. Distinguish traditional and modern teaching mathematics in theory and practice. 8. Build the need for lifelong learning and improvement in the methodology of initial mathematics education.

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 %) :

<ul style="list-style-type: none"> • 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

Student duties for the subject:			
Activity	Classes	Days/Weeks	Total
Lectures	3	15	45
Exercises	2	15	30
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 150 lectures.		Total:	150

Week	Lectures		Exercises	
	Topic	Class	Topic	Class
1.	Mathematics - Scientific discipline and school subject	3	Topic: Calculation exercises:	2
2.	The history of some symbols and terms used in the initial mathematics teaching	3	Topic: Calculation exercises:	2
3.	Subject and definition of mathematics. Mathematics as a teaching subject	3	Topic: Calculation exercises:	2
4.	Methodology of teaching mathematics as a science and study discipline	3	Topic: Calculation exercises:	2
5.	Psychological and logical basics of teaching mathematics	3	Topic: Calculation exercises:	2
6.	Eblium's operating method. Bruner's Theory of Flat Abstraction. Russian School of Development.	3	Topic: Calculation exercises:	2
7.	First colloquium	3	Topic: Calculation exercises:	2
8.	Abstract operation	3	Topic: Calculation exercises:	2
9.	The mathematical term	3	Topic: Calculation exercises:	2
10.	Mathematical reasoning and proof	3	Topic: Calculation exercises:	2
11.	Evidence and proof	3	Topic: Calculation exercises:	2
12.	Motivating and encouraging to learn mathematics	3	Topic: Calculation exercises:	2
13.	Teaching principles in the initial teaching of mathematics	3	Topic: Calculation exercises:	2
14.	Second colloquium	3	Topic: Calculation exercises:	2
15.	Methodical approach to study the contents of the measurement and measurement units	3	Topic: Calculation exercises:	2

LITERATURE:

Literature:**Methodology of Mathematics, Risto Malčeski, Skopje 2011****Additional Literature:**

1. Mathematics teaching methodology, Ruža Tomić, Tuzla 2009
2. Authorized lectures
3. Materials from the Internet

NOTE:

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.

Note 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.