Identification	Subject	Math 224, Mathematics for elementary teachers-2, 6		
		ECTS		
	Department	Mathematics		
	Program	Undergraduate		
	Term	Fall, 2023		
	Instructor	Yetar Ferhadova		
	E-mail:	ferhadova.yeter@gmail.com		
	Phone:	(+994)70-969-87-02		
	Classroom/hours	Monday: 09:00-10:30, Monday:10:40-12:10		
Prerequisites	Math-223: Mathematics for elementary teachers-1			
Language	English			
Compulsory/Electiv e	Required			
Required textbooks	Core Textbooks: 1.	International Mathematics for Middle year 4		
and course materials	Alan McSeveny R	oh Conway Steve Wilkes Michael Smith 2009		
	Man Meseveny, N	ob Conway, Steve Winkes, Wienaer Sinten 2009		
	2. Complete math for Cambridge IGCSE David Rayner, Ian Bettison,			
	Mathew Taylor 2018			
Course website				
Course outline	Topics include:			
	• Sets			
	Quadratic Equations			
	• Ratio, proportion, percent			
	Angles, parallel lines			
	Triangles			
	<ul> <li>Francisco</li> <li>Equations with single variables</li> </ul>			
	• Equations with single variables			
	• System of equations			
	Coordinate plane. Vectors			
	• Statis	stics		
Course objectives	The concepts of Sets; Fractions and decimals; Natural and real numbers;			
	Simplifying express	sions, special products; Circle; Equations with single		
	variables; Coordinat	e plane, vectors; Statistics		
Learning outcomes	By the end of the course the students should be able:			
	• To do operations on sets			
	To solve	some simple and hard problems in geometry		
	To simpl	ify hard expressions		
	To solve	some problems in statistics		
Teaching methods	Lecture	Х		
	Group discussion	X		
	<b>Experiential exerci</b>	se x		
	Simulation			
	Case analysis			
	Course paper	X		

	Others				
Fyaluation	Methods	Date/deadlines	Percentage (%)		
Evaluation	Midterm Exam		30		
	Case studies				
	Class Participation		5		
	Ouizzes		20(3 quizzes)		
	Activity		5		
	Laboratory work				
	Final Exam		40		
	Others				
	Total		100		
Policy	<ul> <li>Preparation for</li> </ul>	· class			
5					
	<ul> <li>The structure of this course makes your individual study and preparation outside the class extremely important. The lecture material will focus on the major points introduced in the text. Reading the assigned chapters and having some familiarity with them before class will greatly assist your understanding of the lecture. After the lecture, you should study your notes and work relevant problems and cases from the end of the chapter and sample exam questions. Throughout the semester we will also have a large number of review sessions. These review sessions will take place during the regularly scheduled class periods.</li> <li>Quizzes and examinations</li> <li>Quizzes may be given unannounced throughout the term. There will be no make-up quizzes. No make-up exams. If students miss an exam, a zero score will be assigned to the missed exam.</li> <li>Withdrawal (pass/fail)</li> </ul>				
	This course strictly f Education and Socia achieve a mark of at required to repeat th	his course strictly follows grading policy of the School of Humanities, ducation and Social Sciences. Thus, a student is normally expected to there a mark of at least 60% to pass. In case of failure, he/she will be quired to repeat the course the following term or year.			
	Cheating/plagiarism				
	Cheating or other pl Examinations will le automatically get ze	ating or other plagiarism during the Quizzes, Mid-term and Final minations will lead to paper cancellation. In this case, the student will matically get zero (0), without any considerations.			
	Professional behavior guidelines				
	The students shall behave in the way to create favorable academic and professional environment during the class hours. Unauthorized discussions and unethical behavior are strictly prohibited.				

Ethic						
Use of any electronic devices is prohibited in the classroom. All devices						
should be turned off before entering class. This is a university policy and violators will be reprimanded accordingly!						
Students should not arrive in late to class!						
Tentative Schedule						
×	Data/Day		Toythook/			
Wee	(tentative)	Topics	Assignments			
1	18.09.23	• Sets	[2] 280-288			
	18.09.23	Operations on sets				
2	25.09.23	Natural Numbers				
	25.09.23	Problem solving				
3	02.10.23	Quadratic Equations	[2] 87-93			
	02.10.23	<ul> <li>Problems solved by quadratic equations</li> </ul>				
4	09.10.23	Ratio, proportion, percent	[2] 21-35			
	09.10.23	Problem solving				
5	16.10.23	Angles, parallel lines	Ouiz (6 pts)			
	16.10.23	Problem solving	[1] 294-299			
6	23.10.23	Real numbers	[1] 115 124			
	23.10.23	Problem solving	[1] 115-134			
7	30.10.23	Triangles	[2] 104 107			
	30.10.23	Problem solving	[2] 104-107			
8	06.11.23	• Simplifying expressions, special products	[1] 175-178			
-	06.11.23	Problem solving				
9	13.11.23	Midterm Exam	[2]108-117,			
	13.11.23	Circle; Problem solving	158-165			
10	20.11.23		Quiz (7 pts)			
	20.11.23	• Speed, distance and time. Mixed problems				
		• Problem solving	[2]67-76,115-			
			134			
11	27.11.23	System of equations	[1] 244_261			
	27.11.23	<ul> <li>Problem solving</li> </ul>	[1] 244-201			
10	04 12 22					
12	04.12.23	<ul> <li>Quadmaterais</li> <li>Problem solving</li> </ul>	[2] 310-324			
13	11 12 23		Quiz (7 nts)			
15	11.12.23	Transformations, enlargement	Quiz (7 pts)			
		Problem solving	[1] 200-233			
14	18.12.23	Coordinate plane. Vectors	[2] 232-262			
	18.12.23	Problem solving				
15	25.12.23	Statistics	[1] 468-482			
	25.12.23	Problem solving				
	TBA	Final Exam				

This syllabus is a guide for the course and any modifications to it will be announced in advance.