Education Semester-Syllabus

Të dhëna bazike të lëndës	
Academic unit:	**Faculty of Education**
Course title:	**Matematik 1 – Elementary program**
Level:	**Bachelor**
Course status:	**Obligatory**
Year of studies:	**First year - first semester**
Number of hours per week:	**3+2(4hour)**
Value in credit - ECTS:	**7 ECTS**
Time / location:	**11:00-14:15 (Monday) class nr 140**
Course teacher:	**Prof. Assoc. Dr. Münevver M. YILDIRIM**
Contact details:	munevver.muyo@uni-prizren.com munevvermuyo@gmail.com
Course description:	- To be able to recognize the methods used in teaching mathematics lessons and to make the lesson effective with different teaching methods; - Being able to explain the basic concepts of mathematics with the appropriate mathematical language for the student level; - From numbers to types of numbers, to being able to do operations with them, from problem solving to problem-posing, to developing the ability to operate with complex numbers, to be able to comprehend the ability to solve percentage problems by associating them with current life problems; - Encouraging prospective teachers to take the lesson and explanation methods as models.
Course aims:	- One of the main objectives of the course is to make students acquire the habit of using the knowledge and skills they have acquired to solve the problems they encounter in their daily life. - At the end of the lesson, students are expected to gain the ability to make connections between topics, to provide transition, and to exemplify with current examples.

Learning outcomes:	• At the end of the lesson, students can transform math topics from abstract to concrete, that is, they can be better understood and understood with examples of life. While doing this, group discussions and group assignments come into play as reinforcers. • Be open to generating ideas for complex problem solutions, demonstrating them with trial and error, and generating different solutions in line with basic operations that are taught to students in the course; They can give examples of similar problems, they are open to productivity ...

Contribution to student workload (which should correspond to student learning outcomes)			
Activity	**Hour**	**Day/week**	**Total**
Lectures	3	15	45
Theoretical / laboratory exercises	2	15	30
Practical work	-	-	-
Contact with the teacher / consultation	1	10	10
Field exercises	2	15	30
Kollokfiume, seminars	3	2	6
Homework	1	15	15
Student self study time (in library or at home)	1	15	15
Final exam preparation	2	15	30
Time spent in assessment (tests, quizzes, final exams)			
Projects, presentations, etc.	3	2	6
Totali			157 orë
157: 25 ≈ 6 ECTS.			

Teaching methodology:	In addition to teacher-centered teaching, there are also teaching methods such as encouraging students to research topics before the lesson, participation in lectures, question-answer technique, and individual reflection.

Evaluation methods:	Student problem-solving ability in the course is 15%; Medium rate 25% Final Exam Grade% Percentage of grades (%) and grading format; 94 -100 points 10 (ten) 9 (nine) out of 84 to 93 points 73-83 points8 (eight) 7 (seven) from 61 to 72 points 6 (six) out of 50 to 60 points
Literature:	
Basic Literature:	- Temel Matematik , Edtr: Prof.Dr. B. Karlığa & Yrd. Doç. Dr. E. Masal. Lisans Yayıncılık, 2006, İstanbul. - Temel Matematik I-II, Edtr: Dr. A. Kaçar ve diğerleri. Pegem A Yayıncılık, 2006, Ankara.
Additional literature:	- Genel Matematik, Edtr: Yrd. Dr. D. Şimşek ve diğerleri. Selçuk Üniversitesi Eğitim Fakültesi Yayın Komisyon Başkanlığı: 2. Baskı 2009, Konya. - Genel Matematik 1, Edtr: Doç. Dr. A. S. Çevik ve Öğr. Gör. E. Bozacı, Nobel Yayıncılık, 1. Baskı, 2005, İstanbul.

Designed lesson plan	
Weeks:	**Topics to be covered:**
First week:	General introduction. Objects, Constant, Variable and Mathematical Terms Mathematical Logic. Propositions and Truth Value of Proposition
Second week:	Combined Proposition Types and Transactions
Week Three:	The Concept of Cluster, Types of Cluster and Their Properties
Fourth week:	Properties of the Combination and Intersection of Sets
Fifth week	Test 1
Week six:	Open Statements, Quantifiers
Week Seven:	The Concept of Numbers, Counting Numbers and Natural Numbers, Divisibility Rules, Greatest Common Divisor and Least Common Multiple
Eighth week:	Axiomatic Basis of Arithmetic Operation. Z sets of integers and operations
Week Nine:	Set of Rational Numbers Q Algebraic Operations of Rational Numbers
Week ten:	Real Numbers R-Range Concept, Absolute Value and Properties
Eleventh Week:	Linear Equations with an Unknowns and Inequalities, Some Basic Concepts
Twelfth Week:	Complex Numbers -C, Virtual Number Unit of Complex Numbers,

	Equivalents, Four Operations of Complex Numbers, Modules and Geometric Representation of Complex Numbers.
Thirteenth Week:	First Order Equation Systems with Two Unknowns; First Order Equation Graph with Two Unknowns (Linear Functions)
Fourteenth Week:	Proportion, Direct and Inverse Proportion
Fifteenth Week:	Transactions with Percentage and Interest Issues

Academic policies and rules of conduct:
-Students should respect the classes and be in the classroom in front of the teacher; -Using the right of 20% for absence if necessary; - Have 80% lessons to follow and continue; -Avoid unwanted behavior during the lesson, avoiding the use of cell phones, chewing gum or going out of class; -It is not allowed to violate the rules to be followed during the exam…

Course Menager: Prf. Assoc. Dr. Münevver MUYO YILDIRIM