Course Syllabus

Code - Course Title	**MAT241 - Mathematics I**
Course Type	I. SEMESTER
Laboratory + Practice	2+0
ECTS	**2.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	ÖĞR. GÖR. DR. EMRAH ÜNLÜER

Mode of Delivery	Face-to-Face Education (Course lectures and interaction processes are conducted with a Sign Language Interpreter when necessary; these are supported by presentations, concrete visual materials, and practical board solutions.)
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	None.
Courses Recomended	None
Recommended Resources	None
Work Placement	None
Aims of the Course	The aim of this course is to ensure that students acquire fundamental mathematical concepts and four-operation skills in the areas of natural numbers, integers, fractions, decimals, and ratio-proportion; and to provide them with the ability to solve problems they may encounter in daily life and professional fields using logical and analytical methods through this acquired basic mathematical literacy.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	LO-1	Integers, and Four operations with Integers: Addition, subtraction, multiplication, and division	Lecture, Question & Answer, Problem Solving
Week - 2		Four operations with Integers	
Week - 3		Problems in four operations with integers: numbers problems	
Week - 4		Problems in four operations with integers: times problems	
Week - 5		Problems in four operations with integers: shopping problems	
Week - 6		Fractions	
Week - 7		Operations with fraction	
Week - 8		Fractions problems	
Week - 9		Fractions problems	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 10		Decimals Numbers	
Week - 11		Operations with decimals	
Week - 12		Decimal Problems	
Week - 13		Ratio and Proportion	
Week - 14		Problems with proportions	

Learning Outcomes

#	Learning Outcome
1	they will be able to gain basic knowledge and skills related to natural numbers and integers
2	They will be able to gain basic knowledge and skills related to fractions
3	They will be able to gain basic knowledge and skills related to decimal numbers
4	Performs calculations between related quantities using the concepts of ratio and proportion.
5	Solves direct and inverse proportion problems using the rules of ratio and proportion.

Sustainable Development Goals

✓ Quality Education ✓ Decent Work and Economic Growth ✓ Reducing Inequalities

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Innovation Skills

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	2.00	14	28
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0.50	14	0
Ödevler	1.00	5	5
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	6.00	1	6
Final Sınavı Hazırlığı (sınav süresi dahil)	9.00	1	9
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**2.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Multiple Choice Test ✓ Short-Answer Test ✓ True-False Test ✓ Fill-in-the-Blank Test ✓ Homework