Course Syllabus

Code - Course Title	**MAT845 - Mathematics**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. YAŞAR ÖDÜL

Mode of Delivery	Face to face
Prerequisites	Basic Mathematical Knowledge
Courses Recomended	Basic Mathematical Knowledge
Recommended Resources	Faculty Recommendation
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic Concepts, Numbers and Sets, Prime Numbers, Divisibility Rules	
Week - 2		Operations with Rational and Decimal Numbers	
Week - 3		Ratio-Proportion and Percentage Problems	
Week - 4		Exponents and Radical Expressions	
Week - 5		Identities and Factorization	
Week - 6		First Order Equations	
Week - 7		Midterm Exam	
Week - 8		Quadratic Equations	
Week - 9		Quadratic Equations	
Week - 10		Inequalities	
Week - 11		Limit, Continuity	
Week - 12		Functions	
Week - 13		Probability and Statistics	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Understands the types of numbers, exponents, roots, and absolute value expressions, and can perform calculations.
2	Birinci dereceden, ikinci dereceden, köklü ve üslü denklemlerin ve eşitsizliklerin çözümünü yapabilir.
3	Performs calculations using trigonometric functions.
4	It explains the fundamental properties of functions and solves problems related to functions.
5	Can perform data analysis and probability calculations using basic statistical concepts.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	40
Final Exam	1	60
	Sum (%)	**100**