Course Syllabus

Code - Course Title	**MAT179 - 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	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Recommended Resources	Ş. Koçak, M. Göğüş, M. Üreyen, \"İktisadi uygulamalı matematik I\", Eskişehir, 1993.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Sets, Some Operations on Sets, Some Sets in Real Numbers	
Week - 2		Functions, Basic Operations on Functions, Inverse of a Function	
Week - 3		Rational Functions, Algebraic Functions, Finding the Largest Domain of a Function.	
Week - 4		The Lines on the Plane	
Week - 5		Parabolas and Second Order Polynomial Equations	
Week - 6		Inequalities	
Week - 7		Exponential and Logarithmic Functions	
Week - 8		Some Financial Applications	
Week - 9		The Notions of Limit and Contunity	
Week - 10		The Notion of Derivative	
Week - 11		Properties of the Notion of Derivative	
Week - 12		Application of the Derivative: Increasind-Decreasing Functions and Convex-Concave Functions	
Week - 13		Local Extremum Points and Values	
Week - 14		Plotting of a Graph of a Function using Its derivative	

Learning Outcomes

#	Learning Outcome
1	Able to do basic operation in sets
2	Able to understant the basic notions on the notion of a function
3	Can define logarithmic and exponential functions
4	Can understand the notions of continuity and limit
5	Understand the notion of a derivative and its applications

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**