Course Syllabus

Code - Course Title	**MAT109U - Mathematics I**
Course Type	I. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses
Course Instructor(s)	ASSIST. PROF. DR. GONCA İNCEOĞLU

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	MAT109U.pdf
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Sets and Numbers	
Week - 2		Functions and Their Graphs	
Week - 3		Polynomial Functions	
Week - 4		Exponential and Logarithmic Functions	
Week - 5		Limits and Continuity	
Week - 6		Derivative and its Applications	
Week - 7		Midterm	
Week - 8		Application	
Week - 9		Applications of Derivative	
Week - 10		Multivariable Functions	
Week - 11		Application	
Week - 12		Final term	

Learning Outcomes

#	Learning Outcome

Learning Outcomes

#	Learning Outcome
1	Explain the set and number sets concepts
2	Explain the concept of function
3	Explain the pollynomial function, equation and inequality concepts
4	explain the concept of Exponential and Logarithmic Function
5	interpret the concepts limit and continuity
6	Interpret the concept of derivative
7	Interpret the concepts of Supply and Demand, Marginal Analysis, Elasticity.
8	explain the concept of multi variable function and its limit, continuity and partial derivative 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	30
Final Exam	1	70
	Sum (%)	**100**