Course Syllabus

Code - Course Title	**MAT106U - Mathematics II**
Course Type	II. SEMESTER
Laboratory + Practice	0+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	Prof. Dr. Namık Kemal ERDOĞAN

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definite and Indefinite Integral, Fundamental Theorem of Integral	
Week - 2		Area Calculations and the Average Value of a Continuous Function	
Week - 3		Differential Equations	
Week - 4		Applications of Differential Equations	
Week - 5		Linear Programming, Graphical Solution	
Week - 6		Economic Applications, Consumer and Producer Surplus	
Week - 7		Lorenz Curve, Applications of Differential Equations	
Week - 8		Line Theory, Planar Lines	
Week - 9		Painting the Lines, Trees	
Week - 10		Prime Numbers, Modular Arithmetic	
Week - 11		Linear Equivalents with One Unknown	
Week - 12		Linear Encryption, Encryption with Exponentiation Function, RSA Method	
Week - 13		Two Player Finite Game, Zero-Sum Game	
Week - 14		Equilibrium in a Zero-Sum Game	

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.