Course Syllabus

Code - Course Title	**MAT161 - Mathematics I**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses

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.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	George B. Thomas, Ross L. Finney, Maurice D. Weir(2001)Calculus and Analitic Geometry 1,
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Real numbers and the real line	
Week - 2		1., 2. and higher degree polynomial equations	
Week - 3		1., 2. and higer degree polynomial inequalities	
Week - 4		Equations and inequalities with radical	
Week - 5		Exponential equations and inequalities	
Week - 6		Logarithmic equations and inequalities	
Week - 7		Cartesian coordinates in the plane,	
Week - 8		Functions	
Week - 9		Limits and Continuity	
Week - 10		The derivative of a function	
Week - 11		Differentiation rules	
Week - 12		Applications of derivatives and max-min problems	
Week - 13		Sketching grapgh of a function	
Week - 14		General review	

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.