Course Syllabus

Code - Course Title	**MAT839 - Analytic Geometry I**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. TUBA ADA

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	None
Recommended Resources	*Hacısalihoğlu, H. 2 ve 3 Boyutlu Uzaylarda Analitik Geometri *Sabuncuoğlu, A. Analitik Geometri(2003) *Thomas, G. Calculus ve Analitik Geometri *Stein, S. Calculus ve Analitik Geometri
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Cartesian Coordinates	
Week - 2		Vectors in the plane.	
Week - 3		Coordinate transformations in the plane	
Week - 4		Translation Transformation	
Week - 5		Rotation tranformation	
Week - 6		exercises	
Week - 7		Line and basic problems	
Week - 8		line and basis problems	
Week - 9		Circle and basic problems	
Week - 10		Ellipse and basic problems	
Week - 11		Hyperbola and basic problems	
Week - 12		Exercises	
Week - 13		Parabola and basic problems	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Parabola and basic problems	

Learning Outcomes

#	Learning Outcome
1	establish a relationship between point and line in the analytic plane
2	explain vectors in the plane.
3	define line.
4	restate circle in the plane.
5	restate ellipse in the plane.
6	restate hyperbola in the plane.
7	restate parabola in the plane.

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

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