Course Syllabus

Code - Course Title	**MAT840 - Analytic Geometry II**
Course Type	IV. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
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	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 *Kaya, R. Analitik Geometri
Work Placement	Not Applicable

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Cartesian coordinates in space	
Week - 2		Vectors in space	
Week - 3		Parallel and perpendicular vectors	
Week - 4		Vectorial multiplication of vectors	
Week - 5		The dot and cross product of vectors	
Week - 6		An equation of line in space	
Week - 7		an equation of plane in space.	
Week - 8		Problems	
Week - 9		The relative positions of a line and a plane	
Week - 10		Drawing of a surface chart	
Week - 11		Sphere	
Week - 12		Cylinder	
Week - 13		Hyperboloid	
Week - 14		Paraboloid	

Learning Outcomes

#	Learning Outcome
1	define vector concept in the space.
2	translate equations of line in space.
3	translate equations of plane in space.
4	analyse many problems related to a line and plane in the space.
5	define surfaces.

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.