Course Syllabus

Code - Course Title	**MAT293 - Linear Algebra 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. MURAT KOPARAN

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	1. Smith, Larry. (1993) Linear Algebra. (Çeviren: M. Ğögüş ve Diğerleri) Eskişehir: T.C. Anadolu Üniversitesi Yayınları. 2.Gerald L. Bradlry. (1975) A Primer Of Linear Algebra. London: Prentice-Hall.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Matrices and Arithmetics of Matrices	
Week - 2		Matrices and Arithmetics of Matrices	
Week - 3		Determinants	
Week - 4		Determinants	
Week - 5		Systems of Linear Equations	
Week - 6		Systems of Linear Equations	
Week - 7		Vector Spaces	
Week - 8		Vector Spaces	
Week - 9		Subspaces	
Week - 10		Subspaces	
Week - 11		Linear dependence and linear independence	
Week - 12		Linear dependence and linear independence	
Week - 13		Bases and Dimension	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Bases and Dimension	

Learning Outcomes

#	Learning Outcome
1	explain concept of matrix.
2	explain concept of determinant.
3	explain concept of linear equation and systems of linear equations.
4	explain vector spaces and the concept of subspaces.
5	explain concepts of linear dependence and linear independence.

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
Final Exam	1	60
	Sum (%)	**100**