Course Syllabus

Code - Course Title	**MAT847 - Mathematics**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	ÖĞR. GÖR. YAŞAR ÖDÜL

Mode of Delivery	Face to Face
Prerequisites	Basic Mathematics Knowledge
Courses Recomended	Basic Mathematics Information
Recommended Resources	Determined by the course instructor
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Sets, sets of numbers, and intervals	
Week - 2		Exponents and radical numbers	
Week - 3		First and second degree equations	
Week - 4		First and second degree inequalities	
Week - 5		The concept of a function, types of functions, their properties and function graphs	
Week - 6		Linear and polynomial functions and their graphs	
Week - 7		Midterm Exam	
Week - 8		Trigonometric functions and their graphs Analytical examination of lines in the plane and in space	
Week - 9		Systems of linear equations	
Week - 10		Matrix	
Week - 11		Determinants	
Week - 12		Coordinate systems in the plane and in space Vectors and vector operations in the plane and in space	
Week - 13		Linear dependence and independence, stretching, and dimension concepts Projection and inner product concepts Some applications of vectors, inner product, and projection concepts	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	They will have basic, current, and practical knowledge related to their profession. They will be knowledgeable about occupational health and safety, environmental awareness, and quality processes.

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**