Course Syllabus

Code - Course Title	**MAT227 - Geometry I**
Course Type	III. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	YRD. DOÇ. DR. SERPİL ALTAY

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	Hilbert, David, Foundations of Geometry, The Open Court Publishing Co., La Salle, Illinois, 1971
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Axiomatic Systems: Historical Background	
Week - 2		Axiomatic Systems and Their Properties,Finite Geometries	
Week - 3		Applications of SMSG axioms	
Week - 4		Neutral Geometry: Preliminary Notions, Congruence Conditions	
Week - 5		The Saccheri-Legendre Theorem	
Week - 6		Euclidean Geometry of the Plane	
Week - 7		The Parallel Postulate and Some Implications	
Week - 8		Congruence and Area	
Week - 9		Similarity	
Week - 10		Some Euclidean Results Concerning Circles	
Week - 11		Some Euclidean Results Concerning Triangles	

Learning Outcomes

#	Learning Outcome
1	know historical development of geometry, axiomatic systems and their properties
2	construct different geometries with different axiom sets

Learning Outcomes

#	Learning Outcome
3	construct Eucledian geometry with different axiom sets

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	25
Final Exam	1	50
2.Midterm Exam	1	25
	Sum (%)	**100**