Course Syllabus

Code - Course Title	**MAT560 - Mathematical Creativity**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. FATİH KARABACAK

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None.
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		structer of mathematics	
Week - 2		properties of mathematics	
Week - 3		elements of mathematics	
Week - 4		Fundamental structers in mathematics	
Week - 5		mathematical proof	
Week - 6		Aesthetics in proof	
Week - 7		Mathematical knowledge	
Week - 8		The Relationship between pure and applied mathematics;	
Week - 9		Applications in Mathematics Education	
Week - 10		The Relationship between mathematics and memorization,	
Week - 11		Problem solving, Different strategies	
Week - 12		mentorship	
Week - 13		Creativity in Mathematics	
Week - 14		Definition of creativity, General overview of creativity in mathematics, Elements of creativity in mathematics, The Relationship between problem solving and creativity.	

Learning Outcomes

#	Learning Outcome
1	explain giftedness
2	explain to mathematics consepts
3	Explain to creativty
4	Explain to matematical creativty

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.