Course Syllabus

Code - Course Title	**MAT397 - Mathematical Communication**
Course Type	V. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	PROF. DR. TANGÜL KABAEL

Mode of Delivery	face to face
Prerequisites	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The Language of Mathematics with its Own Symbols and Terminology	
Week - 2		Language in the Historical Development of Mathematics	
Week - 3		Mathematical Objects	
Week - 4		Numbers	
Week - 5		Variables	
Week - 6		Functions	
Week - 7		Midterm	
Week - 8		Geometric Objects	
Week - 9		Mathematical Sentences	
Week - 10		Conjunctions and Propositions	
Week - 11		Tautologies and Proof	
Week - 12		Sentences with Variables and Generalizations	
Week - 13		Multiple Representations	
Week - 14		Final exam	

Learning Outcomes

#	Learning Outcome
1	Explain the structure of the language of mathematics

Learning Outcomes

#	Learning Outcome
2	Explain the development of the language in Historical Development of Mathematics.
3	Explain the concept of the mathematcal object.
4	Give some examples of mathematical objects
5	Examine the object-process duality in the context of numbers, variables and functions.
6	Explain geometrical objects.
7	Explain mathematical sentences.
8	Examine conjunctions and quantitatives on the examples of propositions.
9	Give examples of sentences with variables.
10	Give examples of generalizations.
11	Explain multiple representations.

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.