Course Syllabus

Code - Course Title	**MAT346 - Making Connections in Mathematics Teaching**
Course Type	VI. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite.
Courses Recomended	There is no recommendation.
Recommended Resources	There is no recommendation.
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction, explanation of goals.	
Week - 2		Relational Structure of Mathematics: Axiomatic structure of mathematics and the relationship between mathematics and logic	
Week - 3		Relational Structure of Mathematics: Axiomatic structure of mathematics and the relationship between mathematics and logic	
Week - 4		Concept-Operation Relationship	
Week - 5		Concept-Operation Relationship	
Week - 6		Relationship Between Concepts	
Week - 7		Relationship Between Concepts	
Week - 8		Relationship Between Mathematical Language and Representations	
Week - 9		Relationship Between Mathematical Language and Representations	
Week - 10		Mathematics-Real Life Relationship	
Week - 11		Mathematics-Real Life Relationship	
Week - 12		Relationship of Mathematics with Other Disciplines: Relationship between mathematics-science and engineering, Relationship between mathematics-social and economic sciences	
Week - 13		Relationship of Mathematics with Other Disciplines: Relationship between mathematics-computer sciences, Relationship between mathematics-architecture and art	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Relationship of Mathematics with Other Disciplines: Mathematics-music relationship, Mathematics-game relationship.	

Learning Outcomes

#	Learning Outcome
1	Explains the "making connections" concept in mathematics education.
2	Comprehends relational and instrumental understanding in mathematics teaching.
3	Makes connections between concepts and operations in mathematics teaching.
4	Makes connections between multiple concepts in mathematics education.
5	Associates mathematics with daily life.
6	Associates mathematics with other disciplines.

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.