Course Syllabus

Code - Course Title	**MAT341 - Problem Solving Perspectives in Mathematics Education**
Course Type	VI. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Elective Course
Course Instructor(s)	PROF. DR. HÜSEYİN BAHADIR YANIK

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	Mathematics Education Books
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Problem Solving Approaches	
Week - 2		Examining Problems and Problem Solving Approaches in the CurrentSchool Textbooks	
Week - 3		Examining Problems and Problem Solving Approaches in the CurrentSchool Textbooks	
Week - 4		Examining Problems and Problem Solving Approaches in the CurrentSchool Textbooks	
Week - 5		ModelingPerspective in Problem Solving	
Week - 6		ModelingPerspective in Problem Solving	
Week - 7		Modeling in Traditional Mathematics Education	
Week - 8		Modeling Under Different Learning and Teaching Approaches	
Week - 9		Development Sequences	
Week - 10		Analysis of Model Eliciting Activities	
Week - 11		Creating Model Eliciting Activities	
Week - 12		The Process of Modeling; Models; Modeling-based Teaching;	
Week - 13		The Process of Modeling; Models; Modeling-based Teaching;	
Week - 14		The Process of Modeling; Models; Modeling-based Teaching;	

Learning Outcomes

#	Learning Outcome
1	explain the role of problem solving in mathematics education.
2	examine problem solving approach in designing mathematics lessons.
3	explain models and modeling perspective.

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	30
Final Exam	1	40
Homework	1	30
	Sum (%)	**100**