Course Syllabus

Code - Course Title	**MTE536 - Task Design and Applications in Mathematics Education**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ OSMAN BAĞDAT

Mode of Delivery	Face to face
Prerequisites	-
Courses Recomended	-
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Task and Activities in Mathematics Teaching	
Week - 2		Investigation of Theoretical and Philosophical Foundations of Tasks	
Week - 3		Investigation of Historical Development of Tasks in Mathematics Teaching	
Week - 4		Investigation of Common Features of Tasks Used in Teaching Mathematics	
Week - 5		Investigation of Common Features of Tasks Used in Teaching Mathematics	
Week - 6		Investigation of Design Principles of Mathematical Tasks and Task Design	
Week - 7		Investigation of Design Principles of Mathematical Tasks and Task Design	
Week - 8		Invastigation of Cognitive Demand Levels of Tasks and Investigating Sample Tasks	
Week - 9		Invastigation of Cognitive Demand Levels of Tasks and Investigating Sample Tasks	
Week - 10		Investigation of the Tasks in Textbooks	
Week - 11		Implementation of Tasks in the Classroom	
Week - 12		Implementation of Tasks in the Classroom	
Week - 13		Five Practices Model	
Week - 14		Evaluation of Students' Thoughts in Task-Based Teaching	

Learning Outcomes

#	Learning Outcome
1	Student can explain importance of using activity in teaching mathematics
2	Can explain aim e of using activity in teaching mathematics
3	Can comprehend properties of activities using in teaching mathematics
4	Can comprehend the points to consider in preparing activity
5	Can comprehend the points to consider in using activity
6	Can comprehend developing activity process.
7	Can comprehend assessment and evaluation processes in activity based class

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	40
Final Exam	1	60
	Sum (%)	**100**