Course Syllabus

Code - Course Title	**MAT447 - Misconceptions in Teaching Mathematics**
Course Type	VII. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. EMEL ÖZDEMİR ERDOĞAN

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.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		What is the misconception?	
Week - 2		What are the causes of misconceptions?	
Week - 3		types of misconceptions	
Week - 4		Misconceptions at the secondary school level:addition and subtraction	
Week - 5		Misconceptions at the secondary school level: fractions	
Week - 6		Misconceptions at the secondary school level: whole numbers	
Week - 7		Misconceptions at the secondary school level: probability	
Week - 8		Misconceptions at the secondary school level: symmetry	
Week - 9		Misconceptions at the secondary school level: measurement	
Week - 10		Misconceptions at the secondary school level: ratio proportion	
Week - 11		Misconceptions at the secondary school level:place value	
Week - 12		Misconceptions at the secondary school level: equations	
Week - 13		Inquiry techniques that reveal the thinking process of elementary school students	
Week - 14		Suggesting solution proposals for conceptual misconceptions	

Learning Outcomes

#	Learning Outcome
1	1. define misconceptions in mathematics
2	explain the reasons of misconceptions.
3	define misconceptions in elementary school mathematics
4	express solutions developed to avoid misconceptions

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	70
	Sum (%)	**100**