Course Syllabus

Code - Course Title	**MTE516 - Mathematical Literacy**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. TANGÜL KABAEL

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	There is no recommended optional programme component for this course.
Recommended Resources	-
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Development of Mathematics and Problem Solving	
Week - 2		Definition of mathematical literacy and importance of it.	
Week - 3		PISA framework	
Week - 4		Performance of Turkey in PISA	
Week - 5		PISA mathematical literacy framework	
Week - 6		Analysis of modeling process of mathematical literacy	
Week - 7		Matematical compotencies	
Week - 8		Analysis of PISA mathematics items	
Week - 9		Teaching mathematics and mathematical literacy	
Week - 10		Mathematical literacy and teaching problem solving	
Week - 11		Mathematical literacy and teaching mathematical concepts	
Week - 12		Examples of teaching activities	
Week - 13		Examples of teaching activities	
Week - 14		Examples of teaching activities	

Learning Outcomes

#	Learning Outcome
1	Student explains the relationship between historical development of mathematics and problem solving
2	Student explains mathematical literacy.
3	Student explain framework of PISA.
4	Student explain performance of Turkey in PISA.
5	Student explains framework of mathematical literacy.
6	Student will be able to analyze modeling process of a problem.
7	Student will be able to analyze mathematical competencies in modeling process of a problem.
8	Student will be able to comprehend the role of mathematical literacy in teaching.
9	Student will be able to design in order to support mathematical literacy.

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.