Course Syllabus

Code - Course Title	**MTE519 - 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	Online
Prerequisites	-
Courses Recomended	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The need for Mathematics and rising of mathematics	
Week - 2		Definition of Mathematical literacy; International PISA Assesment and Situation of Turkey.	
Week - 3		Mathematical Literacy Framework of PISA	
Week - 4		PISA Mathematical Literacy Framework: Mathematical processes and Mathematical Competencies	
Week - 5		Examples of Mathematical Literacy Questions and their Analysis	
Week - 6		Evaluation of Mathematical literacy	
Week - 7		Evaluation of Mathematical Literacy	
Week - 8		Mathematical Literacy Skills: Communication Skill	
Week - 9		Mathematical Literacy Skills: Mathematization Skill	
Week - 10		Mathematical Literacy Skills: Skill of Representation	
Week - 11		Mathematical Literacy Skills: Reasoning and Argumantation	
Week - 12		Mathematical Literacy Skills: Constructing various strategy	
Week - 13		Mathematical Literacy Skills: Using Mathematical Language and Operation	
Week - 14		Mathematical Literacy Skills: Using Mathematical Tools	

Learning Outcomes

#	Learning Outcome
1	Student explain the relationship between rising of mathematics, mathematical literacy and the aim of learning mathematics.
2	Student define mathematical literacy.
3	Student explain PISA international assesment.
4	Student explain status of Turkey in PISA.
5	Student explain the framework of Mathematical Literacy in PISA.
6	Student explain mathematical processes and mathematical competencies.
7	Stud.ent analysis the question of mathematical literacy
8	Student explain evaluation of mathematical literacy in PISA framework.
9	Student analysis the communication skill.
10	Student analysis mathematization skill.
11	Student analysis representation skill.
12	Student analysis reasoning and argumentation.
13	Student analysis skill of constructing various strategies.
14	Student analysis the skill of using mathematical language and operations.
15	Student analysis the skill of using mathematical tools.

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.