Course Syllabus

Code - Course Title	**MTE528 - Mathematics Curricula**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. NESLİHAN UYANIK

Mode of Delivery	Online
Prerequisites	N/A
Courses Recomended	N/A
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Curriculum Development Process and Basic Components	
Week - 2		Curriculum Development Process and Basic Components	
Week - 3		Investigation of Mathematics Curricula in Numbers Learning Area	
Week - 4		Investigation of Mathematics Curricula in Geometry Learning Area	
Week - 5		Investigation of Mathematics Curricula in Measurement Learning Area	
Week - 6		Investigation of Mathematics Curricula in Algebra Learning Area	
Week - 7		Investigation of Mathematics Curricula in Data Learning Area	
Week - 8		Examination of Mathematics Instruction Curriculum in the Scope of Basic Skills: Problem Solving and Modeling	
Week - 9		Examination of Mathematics Instruction Curriculum in Basic Skills: Affective Characteristics	
Week - 10		Examination of Mathematics Curriculum in the Scope of Basic Skills: Estimation Skill	
Week - 11		Examination of Mathematics Teaching Programs in Basic Skills: Reasoning Skills	
Week - 12		Examination of Mathematics Instructional Curriculum in the Context of Basic Skills: Connections Skills	
Week - 13		Investigation of Mathematics Curricula in terms of Instructional Strategies, Methods and Techniques	
Week - 14		Investigation of Mathematics Curricula in terms of Measurement and Evaluation	

Learning Outcomes

#	Learning Outcome
1	Describes program types in terms of scope.
2	Explains the philosophical foundations of the curricula.
3	Explains the social bases of the curricula.
4	Explain the stages of the program development process.
5	Explaine the role of estimation skills in mathematics curricula.
6	Recognizes appropriate methods and techniques in teaching the concept.
7	Compares the latest mathematics curriculum with previously used mathematics curriculum curriculum in terms of evaluation.
8	Explains the role of numbers in mathematics curricula.
9	Explains the role of data collection and statistical data analysis in mathematics curricula.
10	Analyzes the geometric concepts, features and relations in mathematics curriculum.
11	Explains the goals of the program related to the field of measurement learning
12	Explains the relationships between representations included in the programs

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.