Course Syllabus

Code - Course Title	**MAT442 - Philosophy of Mathematics**
Course Type	VIII. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.0**
Language of Instruction	Türkçe
Course Type	Required Courses

Mode of Delivery	The mode of delivery of this course is face to face
Prerequisites	The prerequisites of this course are History of Sciences and History of Mathematics courses.
Courses Recomended	None
Recommended Resources	Cemal YILDIRIM (1996). Matematiksel Düşünme, Remzi Kitabevi
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definition of mathematics and its general characteristics	
Week - 2		Origin and development of mathematics	
Week - 3		Transition to Contemporary mathematics	
Week - 4		Mathematical thinking methods	
Week - 5		Mathematical objects	
Week - 6		Certainty in mathematics	
Week - 7		Crisis and paradoxes in mathematics	
Week - 8		Crisis and paradoxes in mathematics	
Week - 9		Philosophical trends about the fundamentals of mathematics	
Week - 10		Axiomatic method	
Week - 11		Axiomatic method	
Week - 12		distinction between theoretical-applied mathematics	
Week - 13		Role of mathematics in sciences	
Week - 14		Relation of mathematics with art and culture	

Learning Outcomes

#	Learning Outcome
1	explain the origin and development of mathematics
2	explain the emergence of contemporary mathematics
3	explain mathematical thinking
4	form ideas about the fundamentals of mathematics and its objects
5	explain the functions of mathematics

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.