Course Syllabus

Code - Course Title	**MNT406 - Logicand Philosophy of Mathematics**
Course Type	VIII. SEMESTER
Laboratory + Practice	3+0
ECTS	**4.5**
Language of Instruction	Türkçe
Course Type	Area Elective Courses
Course Instructor(s)	

Mode of Delivery	The mode of delivery for this course is face to face.
Prerequisites	A knowledge of basic quantificational logic is expected.
Courses Recomended	Program courses MNT102 and MNT203 are recommended.
Recommended Resources	Matematiksel Düşünme, Cemal Yıldırım, Remzi Kitabevi, 2019
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		A brief history of mathematics	
Week - 2		Philosophical views about mathematics before contemporary philosophies of mathematics (Pythagoreanism, Plato, Aristotle,...)	
Week - 3		Philosophical views about logic before contemporary philosophies of logic (Descartes, Leibniz, Kant,...)	
Week - 4		Foundation of the contemporary logic	
Week - 5		Midterm Examination	
Week - 6		Logicism	
Week - 7		Logicism (continuation)	
Week - 8		Formalism	
Week - 9		Formalism (continuation)	
Week - 10		Intiutionistic logic and mathematical intiutionism	
Week - 11		Intiutionistic logic and mathematical intiutionism (devam)	
Week - 12		Logical pluralism	
Week - 13		Some other views about the foundations of mathematics	
Week - 14		Some other views about the foundations of mathematics (continuation)	

Learning Outcomes

#	Learning Outcome
1	Explains philosophical views about mathematics before the foundation of the contemporary philosophy of mathematics
2	Could explain contemporary philosophical views about mathematics.
3	Could explain other views about the foundations 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.