Course Syllabus

Code - Course Title	**MLY539 - Strategy and Game Theory**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ HATİCE ALTINOK

Mode of Delivery	Face to face
Prerequisites	There is no.
Courses Recomended	There is no.
Recommended Resources	There is no.
Work Placement	There is no.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Foundations: Optimization and Probability	
Week - 2		Basic Concepts	
Week - 3		Strategic Form Games and Dominant Strategies	
Week - 4		Nash Equilibrium	
Week - 5		Nash Equilibrium: Applications	
Week - 6		Mixed Strategies and Applications	
Week - 7		Statics Games with Incomplete Information and Applications	
Week - 8		Statics Games with Complete Games and Applications	
Week - 9		Dynamics Games with Complete Games and Applications	
Week - 10		Dynamics Games with Incomplete Games and Applications	
Week - 11		Zero-Sum Games	
Week - 12		Repeated Games	
Week - 13		Coalition Games	
Week - 14		Bargain Games	

Learning Outcomes

#	Learning Outcome
1	Learning the mathematical foundation that forms the foundations of game theory,
2	To know the basic concepts in game theory,
3	To be able to analyze human and society relations with basic concepts and concepts,
4	To be able to make microeconomic analysis by using the game and theoretical tools,
5	To be able to discuss on applications in public finance and other social sciences,
6	Transferring practical situations with game theory and various applications,
7	Ability to use problem solving and related techniques,
8	Providing reasoning skills with various strategies,

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.