Course Syllabus

Code - Course Title	**SAY617 - Decision and Game Theory**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**7.5**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. ÇAĞLAR KARAMAŞA

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	Advanced Linear Programming I ve II
Courses Recomended	Linear programming, Operation Research
Recommended Resources	* Taha, H.(1997), Operation Research an Intrıduction,Prectice - Hall Inter. Inc.*Winston, W.L., (1994), Operation Research Application and Algorithms, Duxbury Press
Work Placement	N/A

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Decision Analysas	
Week - 2		Decision Environments	
Week - 3		Decision - Making under Certainty	
Week - 4		Decision - Making Under Risk	
Week - 5		Decision under Uncertainty	
Week - 6		Game Theory	
Week - 7		Optimal Solutiom of Two-Person Zero-Sum Games	
Week - 8		Solution of Mixed Strategy Games	
Week - 9		Decision Trees	
Week - 10		Decision Trees	
Week - 11		Decision Trees	
Week - 12		Seperable Programming	
Week - 13		Utility Fonctions	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Markov Chains	

Learning Outcomes

#	Learning Outcome
1	Describe Decision Problems.

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.