Course Syllabus

Code - Course Title	**İST414 - Decision Theory**
Course Type	VII. SEMESTER
Laboratory + Practice	2+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses

Mode of Delivery	Face to face
Prerequisites	None
Courses Recomended	None
Recommended Resources	Management Science Books
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Decision Making	
Week - 2		Elements of decision making process	
Week - 3		A numerical measure for uncertainty	
Week - 4		The laws of Probability	
Week - 5		Decision making under uncertainty	
Week - 6		Decision making under uncertainty	
Week - 7		Case study	
Week - 8		Decision making under risk	
Week - 9		Bayes Theorem and decision tree	
Week - 10		Decision with extra information	
Week - 11		Multi-criteria decision analysis	
Week - 12		AHP	
Week - 13		ANP	
Week - 14		Case study	

Learning Outcomes

#	Learning Outcome
1	Knows the Decision matrix (Payoff)
2	Learns the decision tree
3	comprehends the Utility
4	explain bayesgil approaches to 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.