Course Syllabus

Code - Course Title	**İST435 - Linear Programming**
Course Type	VII. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses

Mode of Delivery	The mode of delivery of this course is Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Recommended Resources	*Taha, Hamdy A.(2000)Yöneylem araştırması / Hamdy A. Taha ; çeviren ve uyarlayanlar Ş. Alp Boray, Şakir Esnaf. – 1. bs. – İstanbul : Literatür.
Work Placement	N/A

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		System and system approach, decision process and decision environment	
Week - 2		Introduction to linear programming	
Week - 3		Model formulation in linear programming	
Week - 4		Graphical method for the solution of linear programming	
Week - 5		Simplex method	
Week - 6		Simplex M method	
Week - 7		Examples of simplex method	
Week - 8		Sensitivity analysis	
Week - 9		Transportation methods	
Week - 10		Examples of transportation methods	
Week - 11		Assignment models	
Week - 12		Network analysis	
Week - 13		Inventory models	
Week - 14		Game theory	

Learning Outcomes

#	Learning Outcome
1	will be able describe quantitative methods used in decision making.
2	explain the applications of linear programming.
3	explain transportation model solution methods.
4	explain project management models.

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.