Course Syllabus

Code - Course Title	**İŞL404U -**
Course Type	VIII. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	ASSIST. PROF. DR. SERDAR BENLİGİRAY

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Linear Programming: Modeling with linear programming	
Week - 2		Linear Programming: Graphical solution of two-variable linear program	
Week - 3		Simplex Method: Algebraic solution	
Week - 4		Simplex Method: Solution in tabular form	
Week - 5		Transportation and Assignment Models: Transportation model	
Week - 6		Transportation and Assignment Models: Assignment model	
Week - 7		Midterm Exam	
Week - 8		Inventory Models	
Week - 9		Network Analysis: Shortest path problem, Minimum spanning tree problem, Maximum flow problem	
Week - 10		Network Analysis: Project planning and control techniques	
Week - 11		Decision Analysis: Decision making under uncertainty	
Week - 12		Decision Analysis: Decision making under risk	
Week - 13		Analytical Hierarchy Process	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Analyzes decision problems encountered in businesses
2	Expresses the decision problem numeraically
3	Solves the decision problem expressed numerically by using the appropriate technique

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.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**