Course Syllabus

Code - Course Title	**LJY503 - Supply Chain Modelling**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DOÇ. DR. İLKAY BADURLAR

Mode of Delivery	Distance education
Prerequisites	There is no prerequisites or co-requisites.
Courses Recomended	There is no recommended optional programme component.
Recommended Resources	Chopra, S. and Meindl, P. (2017). Supply Chain Management: Strategy, Planning, and Operations 6th ed. Turkish translation Ed. Doç. Dr. Emrah Bulut. İstanbul: Nobel Academic Publishing.
Work Placement	There is no work placement.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Supply Chain Concept and Scope	
Week - 2		Supply Chain Drivers and Performance Metrics	
Week - 3		Financial Performance Measures in the Supply Chain Environment	
Week - 4		Designing Distribution Networks in the Supply Chain	
Week - 5		Modeling Approaches in Network Design in the Supply Chain	
Week - 6		Network Design in the Supply Chain - Models for Facility Location	
Week - 7		Aggregate Planning in a Supply Chain	
Week - 8		Aggregate Planning Using Linear Programming	
Week - 9		Planning Supply and Demand in a Supply Chain	
Week - 10		Coordination in a Supply Chain	
Week - 11		Modes of Transportation and Their Performance Characteristics in the Supply Chain	
Week - 12		Design Options for a Transportation Network	
Week - 13		Sourcing Decisions in a Supply Chain	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Supplier Selectio	

Learning Outcomes

#	Learning Outcome
1	To be able to define the fundamentals and processes of the supply chain.
2	To be able to determine the factors to consider when designing a supply chain distribution network.
3	To be able to develop decision models using optimization methods for supply chain design and analysis.
4	To be able to evaluate the supply chain performance.
5	To be able to use supply-demand balance planning methods
6	Be able to specify the criteria for supplier selection.

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	40
Final Exam	1	60
	Sum (%)	**100**