Course Syllabus

Code - Course Title	**UTL302 - Logistics Planning and Modelling**
Course Type	VI. SEMESTER
Laboratory + Practice	3+0
ECTS	**5.0**
Language of Instruction	İngilizce
Course Type	Required Courses

Mode of Delivery	Face to face
Prerequisites	There is no prerequisite or co-requisite for this course.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction	
Week - 2		Optimization Problems Encountered in Logistics Management and the Importance of Modelling	
Week - 3		Optimization Problems Encountered in Logistics Management and the Importance of Modelling(continued)	
Week - 4		Logistics Network Design and Transport Mode Selection	
Week - 5		Warehouse Design and Management and Facility Location Selection	
Week - 6		Warehouse Design and Management and Facility Location Selection(continued)	
Week - 7		Midterm	
Week - 8		Specifying Fleet and Crew Scheduling Problems (continued)	
Week - 9		Node-Based Vehicle Routing Problems	
Week - 10		Node-Based Vehicle Routing Problems (continued)	
Week - 11		Edge-Based Vehicle Routing Problems	
Week - 12		Araç Yükleme Problemi	
Week - 13		Vehicle Loading Problem (continued)	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Will be able to explain the problems of optimization and the importance of modeling in logistics management,

Learning Outcomes

#	Learning Outcome
2	Will be able to explain logistic network design and mode selection,
3	Will be able to evaluate the facility location selection, warehouse design and management,
4	Will be able to understand the fleet identification and team scheduling problems,
5	Will be able to understand node-based vehicle locating problems,
6	Will be able to explain the of point based vehicle problems,
7	Will be able to explain vehicle loading problem,
8	Will be able to discuss concepts of supply chain management: concepts and applications.

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.