

END3952-Supply Chain and Logistics Management
Spring 2023/2024 - Syllabus

Instructor: Prof. Umut Rıfat Tuzkaya, PhD.
Time and Place: Gr1 / Friday (09.00-12.00) – A-308 (Yıldız Campus)
Office Hour: By appointment
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Course Books:

1. Sunil Chopra, "Supply Chain Management", 5/E, Pearson, 2013, ISBN-13: 9780273765226
2. Gianpaolo Ghiani, Gilbert Laporte, Roberto Musmanno, "Introduction to Logistics Systems Planning and Control", Wiley, 2004, ISBN: 0-470-84916-9
3. Douglas Long, "International Logistics, Global Supply Chain Management", Kluwer Academic Publishers, 2003, ISBN: 1-4020-7453-0.

References:

4. Cecil C. Bozarth and Robert B. Handfield, "Introduction to Operations and Supply Chain Management", Pearson, 2013, ISBN: 978-0-13-274732-5

Course Objectives:

The objective of this course is to develop an understanding of the contribution of supply chain and logistics to the execution of successful industrial operations and services. Also to develop an understanding of the operational areas of logistics management and their interrelationships with others, and to improve the analytical and problem solving skills in logistics are the other objectives.

Course Outputs:

1. Develops an understanding for execution of transportation, warehousing and other operations in a supply chain and designing productive systems by using logistics resources efficiently.
2. Ability to analyze, design, and interpretation of integrating systems that includes men, machine, material, knowledge and energy
3. Ability to function effectively in single-disciplinary and multi-disciplinary teams.

Week	Subjects	Related Preparation
1	Basic definitions, general knowledge about the course, importance of the logistics	Lecture Note 1
2	Understanding Supply Chain Management	Chopra, Chapter 1
3	Supply Chain Performance	Chopra, Chapter 2
4	Supply Chain Drivers and Metrics	Chopra, Chapter 3
5	Fundamentals of Transportation	Long, Chapter 5 Chopra Chapter 14
6	Transportation Modes and Terminals	Long, Chapter 6, 7, 8
7	Designing Distribution Networks	Chopra, Chapter 7
8	Midterm Exam	
9	Network Design in the Supply Chain and Global Supply Chain Networks	Chopra, Chapter 8

10	Aggregate Planning in a Supply Chain	Chopra, Chapter 10, 11
11	Planning and Managing Inventories	Chopra, Chapter 13
12	Warehouse Management	Ghiani, Chapter 5
13	Warehouse & Terminals Design	Ghiani, Chapter 5
Tentative Course Schedule:		
14	Information Technology in a Supply Chain	Chopra, Chapter 16

Policies:

1. All exams will be closed-book, closed-notes.
2. All homework is to be turned in the start of class on the day it is due. Late assignments will not be accepted.
3. Depending on the class size, only a subset of the assigned homework may be graded.
4. Discussion between students about homework problem is allowed, but any work you submit must be your own. Copying another student's homework will be considered cheating and will be dealt with using the university's policy on academic dishonesty.
5. Attendance in class is strongly recommended but is not factored into your grade.
6. Missed exams can only be re-taken by notifying the instructor on the same day with a valid excuse (like health problems)

Grading Policy

Midterm Exam	30%
Homework(s)	10%
Project	20%
Final	40%