



COURSE / MODULE / BLOCK DETAILS

ACADEMIC YEAR / SEMESTER

<b>Offered by:</b> Endüstri Mühendisliği			
<b>Course Title:</b> LOGISTICS SYSTEMS DESIGN		<b>Course Org. Title:</b> LOGISTICS SYSTEMS DESIGN	
<b>Course Level:</b> Lisans		<b>Course Code:</b> IND 3905	
<b>Language of Instruction:</b> İngilizce		<b>Form Submitting/Renewal Date</b> 15/06/2012	
<b>Weekly Course Hours:</b> 3		<b>Course Coordinator:</b> YRD.DOÇENT ALİ SERDAR TAŞAN	
<b>Theory</b>	<b>Application</b>	<b>Laboratory</b>	<b>National Credit:</b> 3
3	0	0	<b>ECTS Credit:</b> 4



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Offered to:	Course Status: Compulsory/Elective
Name of the Department:	
Industrial Engineering	Elective Course

Wire: 0 232 301 72 15

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Access: <http://www.eng.deu.edu.tr>

Address: Dokuz Eylül Üniversitesi Tınaztepe Yerleşkesi 35160 Buca/İZMİR E-mail: [muhendislik@deu.edu.tr](mailto:muhendislik@deu.edu.tr)



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Instructor/s:

YRD.DOÇENT ALİ SERDAR

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**Course Objective:**

To provide an understanding of strategic and analytical elements of logistics systems design and management.

**Learning Outcomes:**

- 1 Ability to define the principles and concepts of the logistics systems
- 2 Ability to design proper logistics systems being familiar with fundamentals and techniques for logistics systems design with related terminology
- 3 Ability to define the principles for management of logistics systems
- 4 Ability to analyze the logistics systems
- 5 Ability to continually improve the logistics systems

**Learning and Teaching Strategies:**

Instructor notes will be given using blackboard and visual presentations. Additionally, it will be further supported by homework and student presentations.

**Assessment Methods:**

Name	Code	Calculation formula
Vize	VZ	
Ödev	OD	
Final	FN	
Bütünleme Notu	BUT	
BNS	BNS	$VZ * 025 + D * 025 + FN * 050$
Bütünleme Sonu Başarı Notu	BBN	$VZ * 025 + D * 025 + BUT * 050$

**Further Notes about Assessment Methods:****Assessment Criteria:**

Midterm (25%) + Assignments (25%) + Final Exam (50%)



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Textbook(s)/References/Materials:

Supply Chain Management: Strategy, Planning and Operations 4th Editon; Sunil Chopra, Peter Meindl, Prentice Hall, 2010  
Business Logistics/Supply Chain Management; Ranold H. Ballou, Prentice Hall, 2004

Course Policies and Rules:

Contact Details for the Instructor:

Tel: 301 76 19, e-mail: serdar.tasan@deu.edu.tr

Office Hours:

Course Outline:

Week	Topics:	Notes:
1	Systems Approach to Logistics & Logistics Systems	
2	Logistics Systems	
3	Logistics Decisions	
4	Logistics Costs	
5	Shipment Consolidation	
6	Inventory Management in Logistics Systems	
7	Inventory Management in Logistics Systems	
8	Inventory Management in Logistics Systems- Exercises	
9	Mid-Term Exam	
10	Transportation in Logistics Systems	
11	Transportation in Logistics Systems	



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12	Vehicle Routing Problem
13	Presentations
14	Presentations



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## ECTS Table

Course Activities	Number	Duration (hour)	Total Work Load (hour)
In Class Activities			
Lectures	11	3	33
Tutorials	1	3	3

## Exams

Final	1	2	2
Midterm	1	2	2

## Out Class activities

Preparations before/after weekly lectures	12	1	12
Preparation for midterm exam	1	15	15
Preparation for final exam	1	15	15
Preparing assignments	1	10	10
Preparing presentations	1	10	10
Total Work Load (hour)			102
ECTS Credits of the Course= Total Work Load (hour) / 25			4