



YAŞAR UNIVERSITY  
FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES  
GREEN LOGISTICS  
COURSE SYLLABUS

Course Title	Course Code	Semester	Course Hour/Week		Yaşar Credit	ECTS
GREEN LOGISTICS	LOGI 374	Fall	3	0	3	5
<b>Course Type</b>						
1. Compulsory Courses						
1.1. Programme Compulsory Courses						
1.2. University Compulsory Courses (UFND)						
1.3. YÖK (Higher Education Council) Compulsory Courses						
2. Elective Courses						
2.1. Program Elective Courses						
2.2. University Elective Courses						
3. Prerequisites Courses						
3.1. Compulsory Prerequisites Courses						
3.2. Elective Prerequisites Courses						

Language of Instruction	English
Level of Course	Undergraduate (First Cycle)
Prerequisites Course(s) (compulsory)	N/A
Special Pre-Conditions of the Course (recommended)	N/A

Course Coordinator		
Course Instructor(s)	Dr. Gülmüş Börühan	E-mail: gulmus.boruhan@yasar.edu.tr
Course Assistant(s)/Tutor (s)		
Aim(s) of the Course	The course provides a background for understanding current issues in green logistics. The aims of the course are to provide and develop understanding of environmental issues in logistics and supply chain management through case studies and discussions.	
Learning Outcomes of the Course	1. Students will be able to explain environmental issues about logistics and supply chain management. 2. Students will be able to discuss the reasons and challenges for green logistics activities. 3. Students will be evaluate how operations are interlinked with green logistics activities. 4. The students will be able to analyze supply chains' effects on the environment. 5. Student will be able to combine their theoretical knowledge with practical knowledge.	

<b>Course Content</b>	This course is designed to analyze green logistics in detail. In this course, it is aimed to give insight to the students about the green and the reverse process management in the supply chain. With the help of this course, the students will be able to grasp supply chains' effects on the environment and how these could be turned to positive effects.
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<b>COURSE OUTLINE/SCHEDULE (Weekly)</b>			
<b>Week</b>	<b>Topics</b>	<b>Preliminary Preparation</b>	<b>Methodology and Implementation (theory, practice, assignment etc)</b>
1	Introduction to Course		Lecture and Discussion
2	Greening the Supply Chain	Related chapter and reading	Lecture and Discussion
3	Environmental Effects of Logistics	Related chapter and reading	Lecture and Discussion
4	The Environmental Impacts of Freight Transport	Related chapter and reading	Lecture and Discussion
5	Carbon Auditing of Supply Chains and Products	Related chapter and reading	Lecture and Discussion
6	Transferring freight to greener transport modes	Related chapter and reading	Lecture and Discussion
7	Reducing the environmental effect of warehouses	Related chapter and reading	Lecture and Discussion
8	Mid-Term Exam		
9	Reverse logistics	Related chapter and reading	Lecture and Discussion
10	Sustainability Strategies for City Logistics	Related chapter and reading	Lecture and Discussion
11	E-Logistics and the environment	Related chapter and reading	Lecture and Discussion
12	The role of government	Related chapter and reading	Lecture and Discussion
13	Quiz / Case Studies		
14	Term Project		
15	Term Project		

<b>Required Course Material (s) /Reading(s)/Text Book (s)</b>	Articles and other relevant materials provided by the lecturer
<b>Recommended Course Material (s)/Reading(s)/Other</b>	<ul style="list-style-type: none"> <li>• McKinnon, A., Browne, M., Whiteing A. (2012). Green Logistics: Improving the Environmental Sustainability of Logistics, Kogan Page Limited.</li> <li>• Sarkis, J.(2006). Greening the Supply Chain. Springer.</li> </ul>

<b>ASSESSMENT</b>		
<b>Semester Activities/ Studies</b>	<b>NUMBER</b>	<b>WEIGHT in %</b>
Mid- Term	1	30
Attendance	1	5
Quiz	1	10
Assignment (s)		
Project	1	30
Laboratory	-	-

Field Studies (Technical Visits)	1	5
Presentation/ Seminar	1	20
Practice (Laboratory, Virtual Court, Studio Studies etc.)	-	-
Other (Placement/Internship etc.)		
<b>TOTAL</b>		<b>100</b>
<b>Contribution of Semester Activities/Studies to the Final Grade</b>		70
<b>Contribution of Final Examination/Final Project/ Dissertation to the Final Grade</b>		30
<b>TOTAL</b>		<b>100</b>

CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME OUTCOMES						
No	Programme Outcomes	Level of Contribution (1- lowest/ 5- highest)				
		1	2	3	4	5
1	To ascertain how to become a manager in national and international logistics companies.			X		
2	To identify various activities of logistics: purchasing, stock management, warehouse and transportation management, quality, sale and distribution, transporting, handling, traffic management, packaging, customer relationship management and reverse flow in supply chain management		X			
3	To explain modes of international transportation including road, sea, air, pipeline and multi-modal transportation systems		X			
4	To distinguish and explain the concepts in supply chain management and logistics		X			
5	To develop efficient logistics and supply chain strategies by using appropriate theory, tools and methods, to design logistics systems and make decisions that will support the mission and goals of business.			X		
6	To analyze companies from a managerial point of view				X	
7	To evaluate logistics and supply chain management practices critically, identify and analyze problems in logistics processes.					X
8	To create innovative solutions for logistics problems to achieve a higher performance in logistics activities and developing recommendations for performance improvements					X
9	To recognize the main actors, challenges and dynamics of the international logistics			X		
10	To identify and distinguish the legal framework of international logistics operations, and assess conformity of logistics operations to the national and international rules and regulations			X		
11	To recognize the importance and the need of adaptation to the rapidly evolving global business environment.					X

ECTS /STUDENT WORKLOAD				
ACTIVITIES	NUMBER	UNIT	HOUR	TOTAL (WORKLOAD)
Course Teaching Hour (14 weeks* total course hours)	14	Week	3	42
Preliminary Preparation and finalizing of course notes, further self- study	14	Week	2	28
Assignment (s)		Number		
Presentation/ Seminars	1	Number	5	5
Quiz and Preparation for the Quiz	1	Number	10	10

Mid- Term(s)	1	Number	10	10
Project (s)	1	Number	15	15
Field Studies (Technical Visits, Investigate Visit etc.)	-	Number	-	-
Practice (Laboratory, Virtual Court, Studio Studies etc.)	-	Number	-	-
Final Examination/ Final Project/ Dissertation and Preparation	1	Number	15	15
Other (Placement/Internship etc.)		Number		
<b>Total Workload</b>				125
<b>Total Workload/ 25</b>				5
<b>ECTS</b>				5

**ETHICAL RULES WITH REGARD TO THE COURSE (IF AVAILABLE)**

- Students are expected to be prompt at all times and to participate in all learning activities during class sessions.
- It is expected that all special assignments such as term papers, projects, or research papers to be completed on the scheduled dates.
- The project must be submitted in a hard copy. E-mails are not accepted.
- Talking in the class is not tolerated.
- Students are expected to be honest and ethical in all exams and assignments. Students who engage in dishonesty are subject to disciplinary penalties.

**ASSESSMENT and EVALUATION METHODS:**

Final Grades will be determined according to the Yaşar University Associate Degree, Bachelor Degree and Graduate Degree Education and Examination Regulation.

**PREPARED BY** Dr. Gülmüş BÖRÜHAN

**UPDATED**

**APPROVED**