ÇANKAYA UNIVERSITY
Faculty of Economics and Administrative Sciences
Course Definition Form

Part I. Basic Course Information

Department Name	MANAGEMENT					Dept. Numeric Code	3 2
Course Code	M A N 4 3 0	Number of Weekly Lecture Hours	3	Number of Weekly Lab/Tutorial Hours	-	Number of Credit Hours	3
Course Web Site	http:// man430.cankaya.edu.tr					ECTS Credit	0 5

Course Name and Other Course Information	
This information will appear in the printed catalogs and on the web online catalog.	
English Name	Logistics and Supply Chain Management
Turkish Name	Lojistik ve Tedarik Zinciri Yönetimi
Mode of Delivery	Face to face
Language of Instruction	English

Course Description
Provide a brief overview of what is covered during the semester. This information will appear in the printed catalogs and on the web online catalog.
Maximum 60 words.

The topics that are covered in this course are: definition of supply chain, objective of a supply chain, decision phases in a supply chain, examples of supply chains, competition and supply chain strategies, achieving strategic fit, drivers of supply chain performance, framework for structuring drivers, the role of distribution in supply chain, factors influencing distribution network design, distribution networks in practice, network design decisions, models for facility location and capacity allocation, forecasting in supply chains, supply chain case studies.

Prerequisites (if any) *Give course codes and check all that are applicable.*	1st	2nd	3rd	4th
	☐ Consent of the Instructor	☐ Senior Standing	☐ Give others, if any.	
Co-requisites (if any)	1st	2nd	3rd	4th
Course Type *Check all that are applicable*	☐ Must course for dept.	☐ Must course for other dept.(s)	☒ Elective course for dept. X	☐ Elective course for other dept.(s)

Part II. Detailed Course Information

Course Objectives
Maximum 100 words.
Provide students with fundamental insights across a spectrum of logistic and SC activities.

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Emphasize a variety of tools and techniques useful in achieving successful logistics and SC management.

Allow students to see the applications of theories to gain a broader view of logistics and SC management.

Have the students understand the problems faced by an operations manager related to logistics and SC management.

Expose the students to the use of the computer packages in solving various logistics and SC problems such as forecasting, scheduling, facility location, inventory management, transportation mode selection, etc.

Learning Outcomes
Explain the learning outcomes of the course. Maximum 10 items.

After the completion of this course, it is expected that the student will:

1. Acquire an overall view of the decision-making process relating to the major areas of logistics and SC management,

2. Gain fundamental insights across a spectrum of logistics and SC management activities,

3. Be able to utilize a variety of tools and techniques useful in achieving successful logistics and SC management,

4. Be able to interpret the results of logistics and SC management related problems in organizations,

5. Understand the problems faced by an operations manager related to logistics and SC management,

6. Gain managerial insights from the models of logistics and SC systems discussed,

7. Be able to use computer packages in solving various logistics and SC problems such as forecasting, scheduling, facility location, inventory management, transportation mode selection, etc.

Textbook(s)
List the textbook(s), if any, and other related main course material.

Author(s)	Title	Publisher	Publication Year	ISBN
S. Chopra & P. Meindl	Supply Chain Management	Pearson	2012	0132743957

Reference Books
List, if any, other reference books to be used as supplementary material.

Author(s)	Title	Publisher	Publication Year	ISBN
D. Simchi-Levi et al.	Designing and Managing the Supply Chain	McGraw-Hill	2007	0073341525

Teaching Policy
Explain how you will organize the course (lectures, laboratories, tutorials, studio work, seminars, etc.)

A variety of teaching approaches are used including lectures, in-class exercises, homework, case analysis, class discussion of important issues, and case presentations. A cooperative, student-centered learning is utilized to reach a high level of student involvement.

Laboratory/Studio Work
Give the number of laboratory/studio hours required per week, if any, to do supervised laboratory/studio work and list the names of the laboratories/studios in which these sessions will be conducted.

N/A

Computer Usage
Briefly describe the computer usage and the hardware/software requirements for the course.

Various mathematical programming solvers, Excel.

Course Outline
List the weekly topics to be covered.

Week	Topic(s)
1	Introduction to L&SCs
2	Understanding SCs; Case studies: Gateway/Apple/Zara/W.W.Grainger/McMaster-Carr/Toyota/Amazon/Macy's
3	Supply Chain Performance; Case studies: Blockbuster/Netflix/Redbox
4	SC Drivers and Metrics
5	Case studies: Seven-Eleven Japan Co., Walmart Stores & Macy's
6	Designing Distribution Networks; Blue Nile and Diamond Retailing
7	Midterm-Exam
8	Overview of LP & MIP & Transportation Models
9	Modeling L&SC systems
10	Network Design in the SC
11	Designing Global SC Networks; BioPharma
12	Logistics case study: ABSA
13	Group L&SC Case Presentations
14	Group L&SC Case Presentations

Grading Policy
List the assessment tools and their percentages that may give an idea about their relative importance to the end-of-semester grade.

Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage
Midterm-Exam	1	20%						
Attendance	13	13%						
Homework	1	7%						
Case Present.	1	20%						
Final Exam	1	40%						

ECTS Workload
List all the activities considered under the ECTS.

Activity	Quantity	Duration (hours)	Total Workload (hours)
Attending Lectures (*weekly basis*)	13	3	39
Attending Labs/Recitations (*weekly basis*)	-	-	-
Compilation and finalization of course/lecture notes (*weekly basis*)	13	1	13
Collection and selection of relevant material (*once*)	1	3	3
Self study of relevant material (*weekly basis*)	13	3	39
Take-home assignments	1	3	3

Preparation for quizzes	-	-	-
Preparation for mid-term exams (*including the duration of the exams*)	1	10	10
Preparation of term paper/case-study report (*including oral presentation*)	1	8	8
Preparation of term project/field study report (*including oral presentation*)	-	-	-
Preparation for final exam (*including the duration of the exam*)	1	10	10
TOTAL WORKLOAD **/** 25			5
ECTS Credit			**5**

Program Qualifications vs. Learning Outcomes *Consider the program qualifications given below as determined in terms of learning outcomes and acquisition of capabilities for all the courses in the curriculum. Look at the learning outcomes of this course given above. Relate these two using the Likert Scale by marking with X in one of the five choices at the right.*

No	Program Qualifications	Contribution				
		0	1	2	3	4
1	Acquire detailed knowledge concerning the economic and legal environment in which the business entities operate.	X				
2	Have profound theoretical background knowledge in basic business functions comprising finance, marketing, and production and operations management.		X			
3	Obtain basic and intermediate level knowledge in quantitative techniques and methods that are predominantly used in business and management.				X	
4	Have more specific knowledge in one of the business functions (including the mastery of quantitative approaches) that he/she has chosen to specialize.					X
5	Be able to apply the professional knowledge necessary to establish and/or run a business, or a department within a business entity.			X		
6	Be able to collect, edit, analyze, and interpret the representative data by applying both qualitative and quantitative methods in order to identify and clearly define the business problems and to develop insight and solutions.		X			
7	Be able to adequately communicate upon analyses, findings, inferences, and recommendations with his/her superiors, team members, colleagues, and subordinates both in written and oral form.		X			
8	Be thereby qualified to conduct research in business administration and management.		X			
9	Be appropriately trained to fulfill his/her responsibilities in team work both as a leader and an expert.				X	
10	Acquire the necessary skills to communicate effectively with the stakeholders of an organization so that he/she can become capable of analyzing the needs of the stakeholders and based on these analyses developing the objectives of the organization.		X			
11	Gain self-evaluation skills to identify exactly his/her self-learning and self-improvement needs, being at the same time equipped with the capacity to follow advanced courses and degree studies.				X	
12	Gain the ability to evaluate the organization that he/she is affiliated with and the ability to assess the knowledge that he/she has acquired in a critical perspective.		X			
13	Be inclined to encourage innovation and continuous improvement within the organization in which he/she takes responsibilities.			X		
14	Be able to use information technologies applicable to business administration and management at European Computer Usage License Basic Level.					X
15	Be directed towards the behavioral patterns and responsibilities of a business administrator in terms of quality awareness, occupational safety and health, in-service training, environmental issues, social responsibilities, and social, organizational and business ethics.			X		
16	Be inclined to encourage innovation and continuous improvement within the organization in which he/she takes responsibilities.		X			

Scale for contribution to a qualification: **0**-none, **1**-little, **2**-moderate, **3**-considerable, **4**-highest