

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
SUPPLY CHAIN MANAGEMENT	MIS4171550	Fall Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. Gonca Reyhan AKKARTAL				
Name of Lecturer(s)	Assist.Prof. Gonca Reyhan AKKARTAL				
Assistant(s)					
Aim	Teaching basic concepts to understand and manage the supply chains. Beside that to convey the applications of these concepts with case examples from Turkish and Worldwide companies. Also Learning the techniques and tools used in the sector and to work more effectively in the supply chain field.				
Course Content	This course contains; Understanding the Supply Chain and Decision Phases,Sustainable Supply Chain and Pricing Strategies,Supply Chain Drivers and Metrics,Designing Global Supply Chain and Demand Forecasting,Designing Distribution Networks and Applications to online Sales,Aggregate Planning in a Supply Chain and Coordination,Supply and Demand Planning in a Supply Chain for Sales and Operations,Managing Economies of Scale in a Supply Chain: Cycle Inventory,Managing Uncertainty in a Supply Chain: Safety Inventory,Determining the Optimal Level of Product Availability,Transportation in a Supply Chain,Sourcing Decisions in a Supply Chain,Pricing and Revenue Management in a Supply Chain,Information Technology in a Supply Chain.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.0. Will be able to understand supply chain strategy and processes.			10, 16, 9	A	
1.1. Understands Integration and Collaboration.			10, 16, 9	A	
2.0. Will be able to understand how supply chain processes are interconnected and integrated.			10, 16, 9	A	
2.1. Emphasizes the importance of collaboration and communication; explains how collaboration will be established among stakeholders within and outside the supply chain.			10, 16, 9	A	
2.2. Analyzes and Monitors the cost.			10, 16, 9	A	
3.0. Will be able to learn about various strategies that can be used to reduce business costs.			10, 16, 9	A	
3.1. Exams applicable methods to increase efficiency and minimize idle resources.			10, 16, 9	A	
3.2. Understands the logistics cost planning and budgeting processes.			10, 16, 9	A	
4.0. Will be able to learn transportation management strategies and types of transportation.			10, 16, 9	A	
4.1. Gains the ability to analyze and optimize distribution processes.			10, 16, 9	A	
4.2. Understands the cost components of logistics activities.			10, 16, 9	A	
5.0. Will Be Able To Understand Logistics Technologies.			10, 16, 9	A	
5.1. Recognizes with the technologies and software used in logistics.			10, 16, 9	A	
5.2. Evaluates the impact of automation on logistics processes.			10, 16, 9	A	
5.3. Understands the environmental impacts of logistics and sustainability issues.			10, 16, 9	A	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Understanding the Supply Chain and Decision Phases				
2	Sustainable Supply Chain and Pricing Strategies				
3	Supply Chain Drivers and Metrics				
4	Designing Global Supply Chain and Demand Forecasting				
5	Designing Distribution Networks and Applications to online Sales				
6	Aggregate Planning in a Supply Chain and Coordination				
7	Supply and Demand Planning in a Supply Chain for Sales and Operations				
8	Managing Economies of Scale in a Supply Chain: Cycle Inventory				
9	Managing Uncertainty in a Supply Chain: Safety Inventory				
10	Determining the Optimal Level of Product Availability				
11	Transportation in a Supply Chain				
12	Sourcing Decisions in a Supply Chain				
13	Pricing and Revenue Management in a Supply Chain				
14	Information Technology in a Supply Chain				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Supply Chain Management Strategy, Planning, and Operation By Sunil Chopra, Peter Meindl · 2016Essentials of Supply Chain Management By Michael H. Hugos · 2018