

| Course Description | | | | | |
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| Name | Code | Semester | T+A Hour | Credit | ECTS |
| SUPPLY CHAIN MANAGEMENT | ULY4171030 | Fall Semester | 3+0 | 3 | 5 |
| Prerequisites Courses | | | | | |
| Recommended Elective Courses | | | | | |
| Language of Instruction | Turkish | | | | |
| Course Level | First Cycle (Bachelor's Degree) | | | | |
| Course Type | Required | | | | |
| Course Coordinator | Assist.Prof. Gonca Reyhan AKKARTAL | | | | |
| Name of Lecturer(s) | Assist.Prof. Seil ENEL UZUNKAYA | | | | |
| 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. Will be able to understand integration and collaboration. | | | 10, 16, 9 | A | |
| 1.1. Understands Supply Chain Strategy and Processes | | | 10, 16, 9 | A | |
| 2. Will be able to explain how supply chain processes are interconnected and integrated. | | | 10, 16, 9 | A | |
| 2.1. Emphasizing the importance of cooperation and communication; Explains how to establish collaboration between stakeholders within and outside the supply chain | | | 10, 16, 9 | A | |
| 2.2. Performs cost analysis and tracking | | | 10, 16, 9 | A | |
| 3. Will be able to explain various strategies that can be used to reduce operating costs. | | | 10, 16, 9 | A | |
| 3.1. Examines applicable methods to increase efficiency and minimize idle resources. | | | 10, 16, 9 | A | |
| 3.2. Discusses logistics cost planning and budgeting processes. | | | 10, 16, 9 | A | |
| 4. Will be able to distinguish transportation management strategies and transportation types. | | | 10, 16, 9 | A | |
| 4.1. Has the ability to analyze and optimize distribution processes. | | | 10, 16, 9 | A | |
| 4.2. Distinguishes the cost components of logistics activities. | | | 10, 16, 9 | A | |
| 5. Will be able to follow logistics technologies. | | | 10, 16, 9 | A | |
| 5.1. Becomes familiar 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. Discusses 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 |
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| 1- S. Chopra, P. Meindl, (Ekim 2017), Translation: Do. Dr. Emrah Bulut "Supply Chain Management: Strategy, Planning and Operation" Pearson, Nobel Academic Publishing, 6. Edition, 978-605-320-674-3. |
| 2- Mehmet Tanya, Murat Düzgün (2017), "Supply Chain Management - Best Practices", Translation, Nobel Academic Publishing, 978-605-133-913-9.Do. Dr. Hakan Keskin, "Supply Chain Management: Background, development and Updated Applications", Nobel Academic Publishing, 2015, 978-605-320-070-3. |