

SYLLABUS

Faculty of Economics and Administration Sciences

| Course Code | Course Title | | Credits | ECTS Value |
|---|--|---|--------------------------------------|--|
| ITL 301 | Supply Chain Management (certificated course) | | 3 (2-1-3) | 6 |
| Prerequisite Courses: | None | | | |
| Course Language: | English | Course Delivery Mode: | Face to Face | |
| Course Type and Level: | Compulsory / 3rd Year / Fall Semester | | | |
| Instructor's Title, Name, and Surname | | Course Hours | Office Hours | Contact |
| Assist. Prof. Dr. Hazal Ezgi Mutlu | | Wednesday 10:15 – 12:35 | Wednesday 13:30 – 15:30 | hazalezgizbek@cag.edu.tr |
| Course Coordinator: | | | | |
| Course Objectives: In this course, students will learn the fundamentals of logistics and supply chain management, focusing on addressing current supply chain and logistics challenges by examining key trends and recent developments. | | | | |
| Course Learning Outcomes | Upon successful completion of this course, the student will be able to; | | Relations | |
| | | | Program Outcomes | Net Contribution |
| | 1 | Explains the fundamental concepts of Supply Chain Management and logistics | 7&9 | 5 |
| | 2 | Analyzes the key problems encountered in operations management | 9 | 5 |
| | 3 | Evaluates the importance of demand forecasting in supply chain operations | 7 | 5 |
| | 4 | Discusses the major trends shaping the future of Supply Chain Management | 7 | 5 |
| | 5 | Uses the Beer Game to observe supply chain dynamics and analyzes the outcomes | 7 | 5 |
| Course Content: | This course provides a comprehensive introduction to Supply Chain Management and Logistics, examining the key drivers and obstacles in the field. Through case studies, guest speakers, interactive discussions, students will gain practical insights into the future of supply chain management, preparing them for careers in consulting, operations, or logistics. | | | |
| Course Schedule (Weekly Plan) | | | | |
| Week | Topic | Preparation | Teaching Methods and Techniques | |
| 1 | Introduction to Supply Chain Management and Logistics | Read introductory chapters on supply chain concepts. | Lecture, discussion, visual examples | |
| 2 | Introduction to Supply Chain Management and Logistics | Read introductory chapters on supply chain concepts. | Lecture, discussion, visual examples | |
| 3 | Drivers and Obstacles in Supply Chain Management | Read about major SCM challenges | Lecture and discussion | |
| 4 | Demand Forecasting in Supply Chain | Review basic forecasting methods (Naive, moving average, etc.) | Lecture and forecasting exercises | |
| 5 | Demand Forecasting in Supply Chain | Comparing qualitative and Quantitative | Lecture and forecasting exercises | |

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| | | techniques | |
| 6 | Inventory Management | Prepare summary on Economic Order Quantity | Lecture and exercises |
| 7 | Review | Review all topics covered so far. | Q&A session and discussion |
| 8 | Midterm Exam | | |
| 9 | Midterm Exam | | |
| 10 | Transportation Problems | Review transportation models (North-West method, cost matrix, least-cost). | Problem-solving session, case-based activity |
| 11 | Assignment Problems | Review Hungarian method and related assignment models. | Solving assignment scenarios |
| 12 | Sustainability and Global Trends in Supply Chain | Research one sustainable practice in global SCM and a recent innovation in SCM, bring an example to class | Lecture and Discussion |
| 13 | Guest Speaker | Students are expected to prepare two questions for the guest speaker | Q&A session, reflection and discussion |
| 14 | Introduction to Beer Game | Watch a short video explaining the Beer Game Dynamics (such as Bullwhip Effect), preparing teams for the challenge game, introduce link of the game | Guided simulation and debrief |
| 15 | Beer Game Project | Students will compete in groups during the simulation and summarize their key takeaways | Project discussion, feedback session |
| 16 | Review | Prepare for final exam | Q&A session and discussion |
| 17 | Final Exam | | |
| 18 | Final Exam | | |

Course Resources

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|--------------------------------|--|
| Textbook: | Supply Chain Management: Strategy, Planning, and Operation Sunil Chopra (Author), Peter Meindl (Author) |
| Recommended References: | Lecturer notes prepared from Textbook https://beergame.masystem.se/ |

Course Assessment and Evaluation

| Activities | Number | Percentile | Notes |
|--------------|--------|------------|-------------------|
| Midterm Exam | 1 | %30 | Written exam |
| Project | 1 | %20 | Individual report |
| Final | 1 | %50 | Written exam |

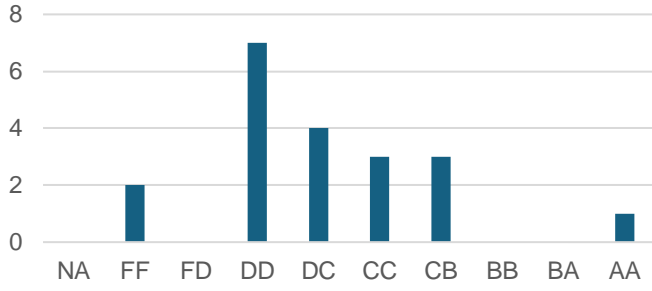
ECTS Table

| Content | Number | Hours | Total |
|---------|--------|-------|-------|
|---------|--------|-------|-------|

| | | | |
|--|----|----|---------------|
| Course Duration | 14 | 3 | 42 |
| Out-of-Class Study | 14 | 3 | 42 |
| Project | 1 | 20 | 20 |
| Midterm Exam (Midterm Exam Duration + Midterm Exam Preparation) | 1 | 30 | 30 |
| Final Exam (Final Exam Duration + Final Exam Preparation) | 1 | 40 | 40 |
| Total: | | | 174 |
| Total / 30: | | | 174/30 = 5,80 |
| ECTS Credit: | | | 6 |

Past Term Achievements

2023-2024 Fall Semester
ITL 301 Supply Chain Management



2024-2025 Fall Semester
ITL 301 Supply Chain Management
Course Code and Nam0e

