

SYLLABUS

Faculty of Economics & Administrative Sciences

| Course Code | Course Title | | Credits | ECTS Value |
|--|---|--|----------------------------|--|
| MAN 319 | Production Management | | 3 (3-0-3) | 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 | | Tuesday 10:15 – 12:35 | Wednesday 13:30 – 15:30 | hazalezgizbek@cag.edu.tr |
| Course Coordinator: | | | | |
| Course Objectives: The aim is to enable students to comprehend the fundamental principles of managing production and service operations and to develop their skills in solving various decision-making problems. | | | | |
| Course Learning Outcomes | Upon successful completion of this course, the student will be able to; | | Relations | |
| | | | Program Outcomes | Net Contribution |
| | 1 | Analyze the role of Production/Operations Management in business | 3 | 5 |
| | 2 | Recognize the nature of the problems in operations management | 2 | 5 |
| | 3 | Discover the source of the fundamental problems and analyze these problems | 3 | 5 |
| | 4 | Recognize the interdependencies between decisions | 5&7 | 5&4 |
| 5 | Recognize techniques in production management and know how the successful manager uses these techniques | 9&10 | 5&4 | |
| Course Content: | Considers the productive system of an enterprise whereby inputs of technology, materials, personnel, and information are transformed into useful goods and/or services. Introduces the types of problems and issues encountered by the operations manager. Discusses various models and techniques but emphasizes problem formulation and managerial implications. Understand techniques in POM and know how the successful operations manager uses these techniques. During the semester, numerous handouts will be distributed. | | | |
| Course Schedule (Weekly Plan) | | | | |
| Week | Topic | Preparation | | Teaching Methods and Techniques |
| 1 | Introduction & Why study Production Management? | Read introductory chapters on production management | | Lecture, discussion, visual examples |
| 2 | Role of OM in an organization, Process Strategy and Analysis | Read production process types | | Lecture, discussion, visual examples |
| 3 | Understanding Facility Location Strategies | Read about major location selection factors | | Lecture, discussion, visual examples |
| 4 | Facility Location Strategies (Methods) | Review location methods (break-even analysis, center of gravity etc.) | | Lecture and location methods exercises |
| 5 | Facility Layout Strategies | Review the key concepts and calculation (cycle | | Lecture and location methods exercises |

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| | | time, no. of Workstation, etc.) | |
| 6 | Managing Customer Demand and Forecasting | Review basic forecasting methods (Naive, moving average, etc.) | Lecture and forecasting exercises |
| 7 | Review | Preparation for Midterm exam | Q&A session and exercises |
| 8 | Midterm Exam | | |
| 9 | Midterm Exam | | |
| 10 | Understanding Managing Customer Demand and Forecasting (Methods) | Comparing qualitative and Quantitative techniques | Lecture and forecasting exercises |
| 11 | Operations Planning and Scheduling | Review basic concepts of scheduling such as sequencing rules (FCFS) | Lecture and scheduling exercises |
| 12 | Operations Planning and Scheduling (Methods) | Review scheduling methods such as Johnson's Rule | Lecture and scheduling exercises |
| 13 | Inventory Management and Models | Review key concepts of Inventory and models (computing economic order quantity) | Lecture, discussion, visual examples and exercises |
| 14 | Decision Theory and Decision Making Tools | Review key concepts of decision theory and tools | Lecture, discussion, visual examples and exercises |
| 15 | Case studies in OM | Read new trends and global emerging field in operations management | Lecture, discussion, visual examples |
| 16 | Review | Prepare for final exam | Q&A session and discussion |
| 17 | Final Exam | | |
| 18 | Final Exam | | |

Course Resources

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| Textbook: | (1) Krajewski, L., Malhorta, M. & Ritzman, L. (2016) Operations Management: Processes and Supply Chains, 11th Edition, Pearson. (2) Heizer, J., Render, B. & Munson, C. (2017) Operations Management: Sustainability and Supply Chain Management, 12th Edition, Pearson |
| Recommended References: | Lecture notes prepared by the lecturer. |

Course Assessment and Evaluation

| Activities | Number | Percentile | Notes |
|--------------|--------|------------|---------------------|
| Midterm Exam | 1 | 30% | Written exam |
| Assignment | 4 | 20% | Individual homework |
| Final | 1 | 50% | Written exam |

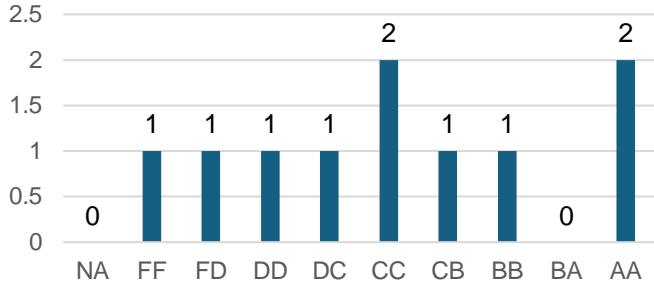
ECTS Table

| Content | Number | Hours | Total |
|---------------------------------------|--------|-------|-------|
| Course Duration | 14 | 3 | 42 |
| Out-of-Class Study | 14 | 3 | 42 |
| Assignment | 4 | 10 | 40 |
| Midterm Exam (Midterm Exam Duration + | 1 | 20 | 20 |

| | | | |
|---|---|----|---------|
| Midterm Exam Preparation) | | | |
| Final Exam (Final Exam Duration + Final Exam Preparation) | 1 | 30 | 30 |
| Total: | | | 174 |
| Total / 30: | | | 174/30 |
| ECTS Credit: | | | 5,8 = 6 |

Past Term Achievements

2024-2025 Fall Semester
MAN319 Production Management



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