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| ***ÇAĞ UNIVERSITY***  ***Instute of Social Sciences, Business Administration PhD Program*** | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **Code** | | | | **Course** | | | | | | | | | **Credit** | | | | **ECTC** | | |
| MAN 623 | | | | Operations Management | | | | | | | | | (3-0)3 | | | | 15 | | |
|  | | | | | | | | | | | | | | | | | | | |
| **Prerequisite Courses** | | | | None | | | | | | | | | | | | | | | |
| **Course Language** | | | | Turkish | | | | | **Mode of Delivery** | | | | | Online | | | | | |
| **Course Type** | | | | Compulsory / 2nd Year / Fall Semester | | | | | | | | | | | | | | | |
| **Lecturer of the Course** | | | | **Title& Name** | | | | | **Lecture Hours** | | | | **Office Hours** | | | | **Contacts** | | |
| **Course Coordinator** | | | | Prof. Dr. Arzu Uzun | | | | | Thuesday 17-20 | | | | Thuesday 16-17 | | | | [garzu@cu.edu.tr](mailto:garzu@cu.edu.tr) | | |
| **Course Objective** | | | | The aim of this course is to give students the basic concepts of operations management and, in this context, to develop an analytical approach to decision processes. | | | | | | | | | | | | | | | |
| **Learning Outcomes of the Course** | | A student who successfully completes the course; | | | | | | | | | | | | | | **İlişkiler** | | | |
| **Prog. Çıktıları** | | | **Net Katkı** |
| 1 | Will be able to explain production systems and types in businesses. | | | | | | | | | | | | | 10,8 | | | 5,4 |
| 2 | Will be able to define business and production strategies. | | | | | | | | | | | | | 10,6 | | | 5,4 |
| 3 | Will be able to explain the product development and design process. | | | | | | | | | | | | | 3,7,6 | | | 5,4,4 |
| 4 | Will be able to explain the concept of location and facility layout planning. | | | | | | | | | | | | | 2,6,8 | | | 5,4,4 |
| 5 | Will be able to explain the concept of inventory and inventory management. | | | | | | | | | | | | | 6,5,3 | | | 5,4,4 |
| 6 | Will be able to plan production resources. | | | | | | | | | | | | | 6,5,3 | | | 5,4,4 |
|  | | | | | | | | | | | | | | | | | | | |
| **COURSE CONTENT ( Weekly Lecture Plan )** | | | | | | | | | | | | | | | | | | | |
| **Week** | **Topics** | | | | | | | | | **Preparation**  **(** **No. stated in the Resources section.)** | | | | | **Teaching Methods** | | | | |
| 1 | Definition of Production, Components of Production Systems, Scope of Operations Management | | | | | | | | | (1)-Chapter 1,2  (2)- Chapter 1 | | | | | Lecture, Sample Application Presentations | | | | |
| 2 | Productivity and other related Performance Measures | | | | | | | | | (2)-Chapter 2 | | | | | Lecture, Sample Application Presentations | | | | |
| 3 | Product design | | | | | | | | | (2)- Chapter 3  (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 4 | Location Planning | | | | | | | | | (2)- Chapter 3  (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 5 | Capacity Planning / Process Design | | | | | | | | | (1)- Chapter 5  (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 6 | Sales Forecasting (Time Series Analysis) | | | | | | | | | (1)-Chapter 6  (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 7 | Sales Forecasting (Causal Models) | | | | | | | | | (1)-Chapter 6  (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 8 | Inventory Management | | | | | | | | | (1)- Chapter 5,6,7,8 | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 9 | Inventory Management (continued) | | | | | | | | | (1)- Chapter 5,6,7,8  Example Questions Set | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 10 | Inventory Management (continued) | | | | | | | | | (1)- Chapter 5,6,7,8  Example Questions Set | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 11 | Aggregate Production Planning | | | | | | | | | (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 12 | Master Production Scheduling | | | | | | | | | (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 13 | Master Production Scheduling (continued) | | | | | | | | | (3)- Relater Section | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| 14 | Quality Management | | | | | | | | | (1)-Chapter 10 | | | | | Lecture, Problem Solutions Based on Quantitative Modeling | | | | |
| **RESOURCES** | | | | | | | | | | | | | | | | | | | |
| **Textbooks** | | | | | Nahmias, S. And Olsen, T.L.(2015), 7th Ed.,Production and Operations Analysis, Waveland Press, Inc.Stevenson, W.J.(2022), Operations Management, 13th Ed.,Mc Graw Hill. | | | | | | | | | | | | | | |
| **Lecture Notes** | | | | | 1. Lecture notes prepared by the course instructor | | | | | | | | | | | | | | |
| **Recommended Notes** | | | | | 1. Miscellaneous Articles | | | | | | | | | | | | | | |
| **Material Sharing** | | | | | Presentation, film and written resources | | | | | | | | | | | | | | |
| **ASSESSTMENT METHODS** | | | | | | | | | | | | | | | | | | | |
| **Activities** | | | | | | **Number** | | **Effects** | | | **Notes** | | | | | | | | |
| Midterm+Presentation | | | | | | **1+2** | | **40%** | | |  | | | | | | | | |
| Final | | | | | | **1** | | **60%** | | |  | | | | | | | | |
| **ECTC** | | | | | | | | | | | | | | | | | | | |
| **Contents** | | | | | | | **No.** | | | | | **Hours** | | | | | | **Total** | |
| Hours in Classroom | | | | | | | **14** | | | | | **3** | | | | | | **42** | |
| Studying Outside the Classroom | | | | | | | **14** | | | | | **9** | | | | | | **126** | |
| Midterm+Presentation | | | | | | | **1+2=3** | | | | | **82** | | | | | | **246** | |
| Final | | | | | | | **1** | | | | | **36** | | | | | | **36** | |
| **Total**  **Total / 30**  **ECTC Credit** | | | | | | | | | | | | | | | | | | **450** | |
| **=450/30** | |
| **15** | |