|  |
| --- |
| ***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 |
| **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 5,6,7,8Example Questions Set | Lecture, Problem Solutions Based on Quantitative Modeling |
| 10 | Inventory Management (continued) | (1)- Chapter 5,6,7,8Example 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** |