

| Course Description | | | | | |
|--|---|--|-------------------------|---------------------------|-------------|
| Name | Code | Semester | T+A Hour | Credit | ECTS |
| PRODUCTION MANAGEMENT | ULY3212311 | Spring 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. Mesut ÖZTIRAK | | | | |
| Assistant(s) | | | | | |
| Aim | It introduces students to the basic principles of production management. In this context, it presents the importance of production management to students from a general perspective. Production operations, productivity, product design, global operations strategy, quality management, process strategy, place of establishment, workplace layout, inventory management, etc. introduces various areas of production management such as and provides an understanding of the effects of these areas | | | | |
| Course Content | This course contains; Historical Evolution of Operations Management, Historical Evolution of Operations Management, Strategic Decisions in Operations Management, Strategic Decisions in Operations Management, Inventory Control, Inventory Control, Capacity Planning, Capacity Planning, Material Requirement Planning, Material Requirement Planning, Just in Time Production (JIT), Just in Time Production (JIT), Just in Time Production and Material Requirement Planning Integration, Just in Time Production and Material Requirement Planning Integration. | | | | |
| Course Learning Outcomes | | | Teaching Methods | Assessment Methods | |
| 1. Will be able to create and implement quality control schemes. | | | 16, 9 | A | |
| 1.1. Explains quality control processes. | | | | | |
| 1.2. Explains quality management policy and applications. | | | | | |
| 2. Will be able to apply employee programming process. | | | 16, 9 | A | |
| 2.1. Explains resource and machine planning and programming processes. | | | | | |
| 2.2. Explains production planning processes. | | | | | |
| 3. Will be able to explain types of capacity and calculate the capacity usage ratios. | | | 16, 9 | A | |
| 3.1. Explains concept of capacity and capacity policy. | | | | | |
| 3.2. Discusses types of production processes and process planning. | | | | | |
| 4. Will be able to examine the product design process. | | | 16, 9 | A | |
| 4.1. Evaluates strategic developments affecting production management | | | | | |
| 4.2. Determines the stratejik decisions in operations management. | | | | | |
| 5. Will be able to explain the concepts of efficiency, productivity and quality in production. | | | 16, 9 | A | |
| 5.1. Explains the function of production management in the business. | | | | | |
| 5.2. Explains the risks of the production concept. | | | | | |
| Teaching Methods | 16: Question - Answer Technique, 9: Lecture Method | | | | |
| Assessment Methods | A: Traditional Written Exam | | | | |
| Lecture Schedule | | | | | |
| Sequenc e | Topics | Preliminary Preparation | | | |
| 1 | Historical Evolution of Operations Management | The relevant chapter will be read from the book. | | | |
| 2 | Historical Evolution of Operations Management | The relevant chapter will be read from the book. | | | |
| 3 | Strategic Decisions in Operations Management | The relevant chapter will be read from the book. | | | |
| 4 | Strategic Decisions in Operations Management | The relevant chapter will be read from the book. | | | |
| 5 | Inventory Control | The relevant chapter will be read from the book. | | | |
| 6 | Inventory Control | The relevant chapter will be read from the book. | | | |
| 7 | Capacity Planning | The relevant chapter will be read from the book. | | | |
| 8 | Capacity Planning | The relevant chapter will be read from the book. | | | |
| 9 | Material Requirement Planning | The relevant chapter will be read from the book. | | | |
| 10 | Material Requirement Planning | The relevant chapter will be read from the book. | | | |
| 11 | Just in Time Production (JIT) | The relevant chapter will be read from the book. | | | |
| 12 | Just in Time Production (JIT) | The relevant chapter will be read from the book. | | | |
| 13 | Just in Time Production and Material Requirement Planning Integration | The relevant chapter will be read from the book. | | | |
| 14 | Just in Time Production and Material Requirement Planning Integration | The relevant chapter will be read from the book. | | | |
| Evaluation Methods | | Weight(%) | | | |
| Midterm Exam | | 40 | | | |
| General Exam | | 60 | | | |

| Resources |
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| Operations Management Managing Global Supply Chains By Ray R. Venkataraman, Jeffrey K. Pinto · 2018 2. Operations Management; 2009. Jay Heizer, Barry Render. ISBN-13: 978-0-13-602567-6. 9th Edition. Pearson Prentice Hall Lecture Notes and Slides |