## Course Syllabus

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| **Code - Course Title** | **İŞY537 - Production and Operation Management** |
| **Course Type** | II. SEMESTER |
| **Laboratory + Practice** | 3+0 |
| **ECTS** | **6.0** |
| **Language of Instruction** | Türkçe |
| **Course Type** | Elective Courses |
| **Course Instructor(s)** | PROF. DR. CELAL HAKAN KAĞNICIOĞLU |

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| **Mode of Delivery** | The mode of delivery of this course is Face to face |
| **Place of Delivery** | On Campus |
| **Used Educational Platforms** | Face-to-face |
| **Prerequisites** | There is no prerequisite or co-requisite for this course. |
| **Courses Recomended** | There is no recommended optional programme component for this course. |
| **Recommended Resources** | Stevenson, W.J. Operations Management, 8the ed. McGraw Hill, 2005. |
| **Work Placement** | N/A |
| **Aims of the Course** | The primary objective of the Production Management course is to provide students with the fundamental principles, concepts, and strategies related to the planning, management, organization, and control of goods and services production processes within enterprises. |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| **Week - 1** | | Üretim sistemleri | Lecture, Discussion |
| **Week - 2** | | Üretim yönetimi ve verimlilik | Lecture, Discussion |
| **Week - 3** | | Üretim stratejileri | Lecture |
| **Week - 4** | | Talep tahmin yöntemleri | Lecture |
| **Week - 5** | | Ürün tasarımı ve üretim | Lecture |
| **Week - 6** | | Kapasite planlaması | Lecture |
| **Week - 7** | | Fabrika yerleşimi | Lecture, Discussion |
| **Week - 8** | | Üretim sürecinin seçimi | Lecture, Discussion |
| **Week - 9** | | Tedarik zinciri yönetimi | Lecture, Discussion |
| **Week - 10** | | Supplier selection | Lecture, Discussion |

## Course Syllabus

| Weeks | Learning Outcomes | Topics | Teaching Methods |
|---|---|---|---|
| Week - 11 | | Üretim teknolojisinin seçimi | Lecture, Discussion |
| Week - 12 | | Üretim tasarımı | Lecture, Discussion |
| Week - 13 | | Tesis yerleşimi | Lecture, Discussion |
| Week - 14 | | Kalite yönetim sistemi | Lecture, Discussion |

## Learning Outcomes

| # | Learning Outcome |
|---|---|
| 1 | question the relation of production management and global competition. |
| 2 | analyse the production strategies and design of the production. |
| 3 | explain process and technology selection and capacity planning. |
| 4 | discuss management of quality, project planning and productivity models. |
| 5 | Explaining stcok management in business |
| 6 | Explaining the term manufacturing resource planning |
| 7 | Describing the term quality and its dimentions |
| 8 | Explaining the term logistic in supply chain management |
| 9 | Expressing the term supply chain management and critical connections |

## Sustainable Development Goals

✓ Decent Work and Economic Growth ✓ Industry, Innovation and Infrastructure ✓ Responsible Production and Consumption

## Course Theme

✓ Economics, Finance and Management ✓ Entrepreneurship ✓ Logistics and Supply Chain

## AKTS Workload

| Activity | Duration (Hour) | Count | Workload |
|---|---|---|---|
| Teorik Derse Katılım | 3.00 | 14 | 42 |
| Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı) | 2.00 | 14 | 28 |
| Ödevler | 2.00 | 5 | 10 |
| Proje - Rapor - Sunum Hazırlama | 5.00 | 2 | 10 |
| Ara Sınav Hazırlığı (sınav süresi dahil) | 12.00 | 1 | 12 |
| Final Sınavı Hazırlığı (sınav süresi dahil) | 12.00 | 1 | 12 |
| Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.) | 5.00 | 1 | 5 |
| Staj Uygulaması | 0.00 | 0 | 0 |
| | | **Calculated ECTS** | **5.0** |

## Assessment Method and Passing Requirements

✓ Open-Ended Test