Course Syllabus

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

Mode of Delivery	This course is conducted exclusively through face-to-face instruction.
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 and Operations 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
Week - 3		Üretim stratejileri	Lecture, Discussion
Week - 4		Talep tahmin yöntemleri	Lecture
Week - 5		Ürün tasarımı ve üretim	Lecture, Discussion
Week - 6		Kapasite planlaması	Lecture, Discussion
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

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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	10.00	2	20
Ara Sınav Hazırlığı (sınav süresi dahil)	15.00	1	15
Final Sınavı Hazırlığı (sınav süresi dahil)	20.00	1	20
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	10.00	1	10
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**6.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test