



T.C. ESKİŞEHİR OSMANGAZI UNIVERSITY
ENGINEERING AND ARCHITECTURE FACULTY
MECHANICAL ENGINEERING DEPARTMENT

COURSE INFORMATION FORM

SEMESTER | Fall

COURSE CODE	151817654	COURSE NAME	PRODUCTION PLANNING
--------------------	-----------	--------------------	---------------------

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
7	3	0	0	3	4	COMPULSORY () ELECTIVE (X)	English

COURSE CATAGORY

Basic Science	Basic Engineering	Engineering Subjects [if it contains considerable design, mark with (√)]	Social Science
		()	√

ASSESSMENT CRITERIA

MID-TERM	Evaluation Type	Quantity	%
	Mid-Term		1
	Quiz		
	Homework		
	Project		
	Report		
	Others (.....)		
FINAL EXAM		1	60

PREREQUIEITE(S)

COURSE DESCRIPTION

Demand forecasting, Aggregate Production Planning, Material Requirement Planning, Stock Control, Project Management

COURSE OBJECTIVES

Demand forecasting, Aggregate Production Planning, Material Requirement Planning, Stock Control, Project Management

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION

Mechanical engineer a contemporary and knowledge sharing to reach the ball to forward the importance of today's information age, given that the locomotive of this course the student technologies based on the most current information in a matter of professional training contribute very valuable.

COURSE OUTCOMES

- An ability to perform demand forecasting using different techniques in the business enterprise
- An ability to prepare the aggregate production planning in the business enterprise An ability to perform and revise master production schedule in the business enterprise

TEXTBOOK

- Üretim Yönetimi, Prof. Dr. Bülent Kocu, İstanbul Üniversitesi İşletme Fakültesi Yayın No: 260, İstanbul 1994
- Üretim Planlaması Yöntem Ve Uygulamaları, Nesime Acar, Milli Prodüktivite Merkezi Yayınları, Ankara, 1989.

OTHER REFERENCES

Temel Üretim Yönetimi, Elwood S. Bufa, Olcay Matbaası, Ankara, 1981

TOOLS AND EQUIPMENTS REQUIRED

COURSE SYLLABUS

WEEK	TOPICS
1	Production and Production Management Definition
2	Historical Background and Approach to Production Management Systems
3	Production Management Activities
4	Production Management Functional Structure
5	Plastics as Defense Technology Materials
6	Factors Affecting Product Design and product design
7	The Importance of Demand Forecasts
8	Mid-Term Examination
9	Enterprise Resource Planning
10	Application of Demand Forecasts
11	Stock Concept and Business Economy
12	Stock Control Methods
13	Inventory Control Models
14	Inventory Control Models
15,16	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of engineering subjects related with mathematics, science and own branch; an ability to apply theoretical and practical knowledge on solving and modeling of engineering problems.	[X]	[]	[]
2	Ability to determine, define, formulate and solve complex engineering problems; for that purpose an ability to select and use convenient analytical and experimental methods.	[X]	[]	[]
3	Ability to design a complex system, a component and/or an engineering process under real life constrains or conditions, defined by environmental, economical and political problems; for that purpose an ability to apply modern design methods.	[X]	[]	[]
4	Ability to develop, select and use modern methods and tools required for engineering applications; ability to effective use of information technologies.	[]	[X]	[]
5	In order to investigate engineering problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	[X]	[]	[]
6	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	[]	[X]	[]
7	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	[X]	[]	[]
8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	[X]	[]	[]
9	Understanding of professional and ethical issues and taking responsibility	[X]	[]	[]
10	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	[X]	[]	[]
11	Knowledge of actual problems and effects of engineering applications on health, environment and security in global and social scale; an awareness of juridical results of engineering solutions.	[X]	[]	[]
1:None. 2:Partially contribution. 3: Completely contribution.				

Prepared by: Prof. Dr. Melih Cemal Kushan

Date: 16.06.2021

Signature(s):