TOROS ÜNİVERSİTESİ

Faculty Of Engıneerıng
Industrıal Engıneerıng (Englısh)

Course Information

MANUFACTURING PLANNING I					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
INE321	Fall	3	0	3	6

Prerequisites and co-requisites	none
Language of instruction	English
Type	Required
Level of Course	Bachelor's
Lecturer	Assoc. Prof. Cenk ŞAHİN
Mode of Delivery	Face to Face
Suggested Subject	none
Professional practise (internship)	None
Objectives of the Course	Gaining the required knowledge and skills to plan and control the production activities
Contents of the Course	The topics covered in this course include: Demand forecasting, Aggregate Production Planning, Mathematical models at the production planning , Stock Control.

Learning Outcomes of Course

#	Learning Outcomes
1	Student will gain to ability of minimizing the wastes in production resource.
2	Student is going to gain ability of scheduling
3	Student will gain the ability of planning for improving the productivity
4	

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Basic concepts in production planning	Lecturing
2	Demand Forecast	Lecturing
3	Demand Forecast	Lecturing
4	Aggregate Production Planning	Lecturing
5	Aggregate Production Planning	Lecturing
6	Master Production Schedule	Lecturing
7	Midterm	Exam
8	Material Requirement Planning	Lecturing
9	Material Requirement Planning	Lecturing
10	Material Requirement Planning	Lecturing
11	Capacity Requirement Planning	Lecturing
12	Capacity Requirement Planning	Lecturing
13	Deterministic Inventory control models	Lecturing

14	Deterministic Inventory control models	Lecturing
15	Introduction to Stochastic Inventory Control Models	Lecturing
16	Final Exam	Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	S. Nahmias, Production and Operations Analysis, McGraw-Hill, 5th edition.		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Student will gain to ability of minimizing the wastes in production resource.	1	1,2
2	Student is going to gain ability of scheduling	2	1,2
3	Student will gain the ability of planning for improving the productivity	5	1,2
4			1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	12	12
8	Midterm Exam	1	3	3
9	Quiz	0	0	0
10	Homework	1	10	10
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	18	18
16	Final Exam	1	3	3
				130