PRODUCTION PLANNING AND MANAGEMENT									
1	Course Title:	PRODU	CTION PLANNING AND MANAGEMENT						
2	Course Code:	END5553							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
5	Year of Study:	2							
6	Semester:	1							
7	ECTS Credits Allocated:	7.50							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Doç. Dr.	BETÜL YAĞMAHAN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	betul@uludag.edu.tr Bursa Uludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, Görükle Kampüsü, 16059 Nilüfer, Bursa							
17	Website:								
18	Objective of the Course:	The aim of this course is to teach the students how to formulate, solve and apply the models in order to decide accurately the most economical way to meet the demand of products in systems which are established to produce goods and/or service. For this purpose, to teach the implementation of methods and instruments successfully which are used in various fields such as production planning, production scheduling, inventory control.							
19	Contribution of the Course to Professional Development:	This course provides students to gain skills about how to prepare production plans and programs, improve inventory models, and solve them.							
20	Learning Outcomes:								
		1	To understand the problems in production processes and formulate of the models.						
		2	To use the necessary methods for the design of the production processes						
		3	To use the necessary methods for the management of the production processes.						
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21	Course Content:		0						
\\/ I	The avatical	Co	ourse Content:						
vveek	Week Theoretical Practice								

	Instructor Introduction; Course Overview Introduction to production systems																
2	Forecasting and Forecasting models I																
3	Forecas	ting m	odels	II													
4	Aggrega	te Pla	nning	and m	nodels												
5	Inventor	y Cont	rol I														
6	Inventor	y Cont	rol II														
7	Master F	Produc	tion S	chedu	ıling (N	1PS)											
8	Material	s Requ	uireme	nts P	lanning	(MR	P)										
9	Just-In-7	ime (	JIT)					Т									
10	Schedul	ing I															
11	Schedul	ing II						Т									
12	Capacity	/ Planr	ning														
13	Assemb	ly Line	Balar	ncing				Т									
14	Lean Ma	nufac	turing														
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	Textboo Material:		terenc	es an	a/or O	iner			Nahmias, S., Production and Operation Analysis, 6th edition, McGraw Hill, 2008.								
23	Assesm	ent							•								
TERM LE	EARNING	ACTI	VITIES	•		N	NUMBE	W	EIGHT								
Activites							Number			Dura				Load (hour)			
Theoreti Final Ex	Theoretical Final Exam 1						60	6 <b>0</b> .00			3.00	3.00			42.00		
Practica	Practicals/Labs							0			0.00			0.00			
Self study and preparation Contribution of Term (Year) Learning Activities to						40	40.00			8.00				112.00 28.00			
Homewo	Homeworks							2			14.00						
<b>Ethinate</b>	ମ୍ମାନ୍ୟର୍ଥtion of Final Exam to Success Grade							60	60100			30.00				30.00	
Field Stu	eld Studies							0			0.00						
Midterm Measure	Midterm exams Measurement and Evaluation Techniques Used in the						еM	Measurement and evalu			7.00 uation :						
Others	rs							0  ∪ndergraduate Educatio			0.00			0.00			
	al Exams							Ordergraduate Education			147:00				7.00		
	al Work Load													226.00			
	al work load/ 30 hr												$\overline{}$	7.53			
ECTS C	redit of	the Co	urse												7.50		
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0	ľ								l		l					
ÖK2 ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
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Level:					