	PRODUCTION P	LANN	IING AND MANAGEMENT
1	Course Title:	PRODU	CTION PLANNING AND MANAGEMENT
2	Course Code:	END555	3
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:	Bursa Ul	ludag.edu.tr ludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi, Endüstri sliği Bölümü, Görükle Kampüsü, 16059 Nilüfer, Bursa
17	Website:		
18	Objective of the Course:	solve an economi are estal to teach successi	of this course is to teach the students how to formulate, d apply the models in order to decide accurately the most cal way to meet the demand of products in systems which blished to produce goods and/or service. For this purpose, the implementation of methods and instruments fully which are used in various fields such as production, 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	Theoretical	Co	ourse Content:
vveek	Theoretical		Practice

1	Instructor Introduction; Course Overv	viow.	
'	Introduction to production systems	riew	
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2	Forecasting and Forecasting models	l	
3	Forecasting models II		
4	Aggregate Planning and models		
5	Inventory Control I		
6	Inventory Control II		
7	Master Production Scheduling (MPS))	
8	Materials Requirements Planning (M	RP)	
9	Just-In-Time (JIT)		
10	Scheduling I		
11	Scheduling II		
12	Capacity Planning		
13	Assembly Line Balancing		
14	Lean Manufacturing		
22	Textbooks, References and/or Other Materials:		Nahmias, S., Production and Operation Analysis, 6th edition, McGraw Hill, 2008.
23	Assesment		
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT
Midtern	n Exam	1	25.00
Quiz		0	0.00
Home v	work-project	3	15.00
Final E	xam	1	60.00
Total		5	100.00
	Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade			60.00
Total			100.00
			Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.
24	ECTS / WORK LOAD TABLE		

Theoretical 14 3.00 42.00 Practicals/Labs 0 0.00 0.00 Self study and preperation 14 8.00 112.00 Homeworks 2 14.00 28.00 Projects 1 30.00 30.00
Self study and preperation 14 8.00 112.00 Homeworks 2 14.00 28.00
Homeworks 2 14.00 28.00
Projects 1 30.00 30.00
Field Studies 0 0.00 0.00
Midterm exams 1 7.00 7.00
Others 0 0.00 0.00
Final Exams 1 7.00 7.00
Total Work Load 226.00
Total work load/ 30 hr 7.53
ECTS Credit of the Course 7.50
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS
PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 P
ÖK1 0
ÖK2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ÖK3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

LO: Learning Objectives PQ: Program Qualifications

3 Medium

4 High

Number

Activites

Contrib

ution Level: 1 very low

2 low

Duration (hour) Total Work Load (hour)

5 Very High