MANUFACTURING RESOURCES PLANNING									
1	Course Title:	MANUF	ACTURING RESOURCES PLANNING						
2	Course Code:	END4074							
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	NURSEL ÖZTÜRK						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	nursel@uludag.edu.tr +90 224 2942083 Uludağ Üniversitesi, Endüstri Mühendisliği Bölümü							
17	Website:								
18	Objective of the Course:	The objective of this course is to provide students the knowledge of Manufacturing Resource Planning and related topics.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Will be able to understand the concepts of Manufacturing Resource Planning and related topics						
		2	Will be able to select the appropriate MRPII and ERP systems						
		3	Will be able to understand how to follow and present new developments in this area						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
	Course Content:								
	Theoretical		Practice						
1	Basic concepts of materials manager								
2	Design of Material Requirements Pla System. MRP inputs, MRP outputs, p structures, MRP computations.								
3	Preparation of MRP plans, Matrix me	ethod							
4	Lot sizing techniques in MRP system	IS							

5	Advantages and disadvantages of MRP systems, Closed-loop MRP system															
6	Capacity Requirements Planning															
7	Manufacturing Resources Planning (MRPII)															
8	Examples, Distribution Resources Planning															
9	MRP II and JIT (Hybrid systems)															
10	Enterprise Resource Planning (ERP)															
11	Repeating courses and midterm exam						T									
12	Critical success factors for the ERP system															
13	Selection of the appropriate ERP system															
14	Oral presentation of the home works															
22	Textbooks, References and/or Other Materials:													ourse No cs, Chap		
							M	cGraw∙	Hill			·				
								l. Acar, rticles	Malze	me Ihtig	yaç Plaı	nlamas	si, MPN	1		
23	Assesm	ent														
TERM L	LEARNING ACTIVITIES NUMBE					W	WEIGHT									
Midtern	m Exam 1						40	0.00								
Quiz							0.	0.00								
Activit	ctivites							Number Du			Dura	uration (hour) To			Fotal Work ₋oad (hour)	
Theore	reoretical of Tame (Varia) have a statistic					5	50.00			2.00			28.00			
	retical ibution of Term (Year) Learning Activities to icals/Labs							0			0.00			0.00		
Selfitsito	siloudiyoanoli (Finale Eation) to Success Grade						50	50100			3.00			42.00		
Homew								1			16.00			16.00		
Project	strement and Evaluation Techniques Used in the								0			0.00			0.00	
	Surement and Evaluation Techniques Used in the								0			0.00			0.00	
M 24 ern								1			2.00			2.00		
Others	S							0			0.00			0.00		
Final E	ixams							1			2.00			2.00		
Total W	Work Load											90.00				
Total w	work load/ 30 hr											3.00				
ECTS (Credit of the Course												3.00			
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME															
										ATIO						
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	4	4	4	0	0	0	0	0	0	4	0
			LO: L	.earr	ning C)bje	ctives	5 I	PQ: P	rogra	m Qu	alifica	tions	5		

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