C	QUALTY IMPROVEMEN	NA TV	D OPTIMIZATION IN SPINNING						
1	Course Title:	QUALTY	' IMPROVEMENT AND OPTIMIZATION IN SPINNING						
2	Course Code:	TEK4027	7						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	4							
6	Semester:	7							
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.	ERHAN KENAN ÇEVEN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Mühendi	uludag.edu.tr, 02242942062, Uludağ Üniversitesi, slik Mimarlık fakültesi, Tekstil Mühendisliği Bölümü, kampusü, 16059, Nilüfer-Bursa						
17	Website:								
18	Objective of the Course:	and the i	nat the students will be able to comprehend the concept mportance of the process control in spinning, the factors spinning production quality and will be able to analyse the I datafor quality control purposes.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Being able to comprehend the concept of process control						
		2	Being able to list the control points and the controls for the quality of production in spinning						
		3	Being able to interpret the periodic variations in the yarn						
		4	Being able to evaluate the machine settings and optimization						
		5	Being able to analyse the statistical data for quality control purposes						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Со	urse Content:						
			Practice						
1	Concept and Importance of Process in Spinning	Control							
2	Mixture Quality Control in Spinning								
3	Optimum fiber mixture according to t of various end uses	he needs							

4	Bale Management								
5	Control of Foreign Material in Cotton								
6	Cleaning Efficiency and Waste Contr Blowroom and Carding Machine	ol in							
7	Nep Control in Ribbon								
8	Unevenness in Spinning and Error C	ontrol							
9	Repeating courses and midterm exar	n							
10	Control of Yarn Count, Strength and Mass Variations	Periodic							
11	Machinery and Energy Audit								
	Quality Improvement by the Optimiza the Raw Materials, Machinery, Comp and Settings								
13	Statistical Data Analysis and Estimat the Quality Control Purposes I	ion for							
	Statistical Data Analysis and Estimat the Quality Control Purposes II	ion for							
22	Textbooks, References and/or Other Materials:		1.Booth, J.E "Textile Mathematics " The Textile Institute Manchaster 1979 2.Locker, B, Oellers,K. and "Tecnische Berecknunjen "Bussesche Verlagshandlung Gmblt Herford 3.Ugan, M., Pamuk İplikçiliğinde Kalite Kontrol,Bitirme Tezi, Uludağ Üniversitesi, 2004 4.Şahutoğlu, Ö, Pamuk İplikçiliğinde İşlem Dışı Kalite Kontrol, Bitirme Tezi, Uludağ Üniversitesi, 2003 5.Özdemir Ö., Kimyasal Liflerin Ring İplikçilikte işlenmesi, Lisans Ders Notları, Uludağ Üniversitesi 6.Akçakoca, N., İplik İşletmelerinde İşlem İçi (On-Line) Kalite Kontrol Sistemleri, Bitirme Tezi, Uludağ Üniversitesi, 2006						
23	Assesment								
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT						
Midtern	n Exam	1	40.00						
Quiz		0	0.00						
Home v	vork-project	0	0.00						
Final Ex	kam	1	60.00						
Total		2	100.00						
	ution of Term (Year) Learning Activitie s Grade	es to	40.00						
Contrib	ution of Final Exam to Success Grade)	60.00						
Total			100.00						
Measur Course	ement and Evaluation Techniques Us	sed in the							
24	ECTS / WORK LOAD TABLE								

Activites								١	Numb	er		Dura	Duration (hour)			Total Work Load (hour)	
Theoretical									4			2.00			28.00		
Practicals/Labs)			0.00			0.00		
Self study a	Self study and preperation								2			2.00			24.00		
Homeworks	Homeworks)			0.00			0.00		
Projects								C)			0.00			0.00		
Field Studie	es							C)			0.00			0.00		
Midterm ex	ams							1				12.00			12.00		
Others								1				10.00	10.00			10.00	
Final Exam	s							1	1			16.00			16.00		
Total Work	Load															102.00	
Total work load/ 30 hr															3.00		
ECTS Credit of the Course													3.00				
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11		PQ1	PQ14	PQ15	PQ16	

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	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK3	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK4	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK5	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:		2 low			3 Medium			4 High			5 Very High					