I	BEST AVAILABLE TE	CHNO	LOGY IN TEXTILE FINISHING II					
1	Course Title:	BEST A	VAILABLE TECHNOLOGY IN TEXTILE FINISHING II					
2	Course Code:	TEK501	6					
3	Type of Course:	Optional						
4	Level of Course:	Third Cy	cle					
5	Year of Study:	1						
6	Semester:	2						
7	ECTS Credits Allocated:	6.00						
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 face						
14	Course Coordinator:	Prof. Dr. PERVİN ANİŞ						
15	Course Lecturers:							
16	Contact information of the Course Coordinator:	Bursa Uludağ Ünviersitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Görükle Kampüs, Bursa, pervin@uludag.edu.tr /Bursa Uludağ University, Faculty of Engineering, Textile Engineering Department, Görükle Campus, Bursa, pervin@uludag.edu.tr						
17	Website:							
18	Objective of the Course:	Evaluating the environmental impact of textile finishing industry, Identification of pollutants parameters, To teach the students alternative printing and finishing processes in order to reduce the pollution.						
19	Contribution of the Course to Professional Development:	Examining the ecological effects of finishing processes and designing environmentally friendly processes						
20	Learning Outcomes:							
		1	Learn to production in order to reduce the pollution in waste water					
		2	Learn to production in order to reduce the pollution in waste air					
		3	Apply the minimizing of use of the energy consumption					
		4	Apply the minimizing of use of the water consumption					
		5	Apply the team working and oral presentation					
		6	Learn to labels evaluating the production ecology of textiles					
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	ourse Content:					
Week	Theoretical		Practice					

1	Best available technology in reactive prin Minimizing of use of urea,	iting,							
	Two step reactive printing								
2	Alternative printing techniques, Digital ink-jet printing								
3	Minimizing the mass of printing paste fee system in rotation printing machines,	eding							
	Recovery of printing paste in the feeding system in rotation printing machines								
4	Formaldehyte-free recipes								
5	Avoiding softening via exhaust method								
6	Reduction of the emissions in antibacterifinishing	al							
7	Decolorasition and cod reduction of wastewater by ozonation,								
	Mechanism of ozonation								
8	Recovery of pigment printing wastewater	,							
	Minimizing air emissions								
Activi			Number	Duration (hour)	Total Work Load (hour)				
Theore	negewa scneme), ical		14	3.00	42.00				
Practic	cals/Labs		0	0.00	0.00				
Selfast	dy and preperation Substition of alchylphenoletoxilates		14	4.00	56.00				
Home	works		14	4.00	56.00				
Projec	Biodegredable chelating agents,		3	8.00	24.00				
Field S			0	0.00	0.00				
Midter	performance r exams		0	0.00	0.00				
Others			0	0.00	0.00				
Final E	effects of textiles		1	2.00	2.00				
Total V	Vork Load				180.00				
Tojai v	work load/ 30 hr Labels evaluating the production ecology	of			6.00				
ECTS	Credit of the Course				6.00				
22	Textbooks, References and/or Other Materials:	F II 22 (33 N 44 T 5	1.IIPC Tekstil Sanayi İçin En Uygun Teknikler (BAT) Referans Dökümanı ve İlgili yönetmelikler, Europen Integretad Pollution Prevention and Control Bureau Yayını. 2.The Textile Industry and The Environment, UNEP (United Nations Environment Programme) Yayını 3.Environmental assessment of Textiles, UNEP (United Nations Environment Programme) Yayını 4.UNEP Cleaner Production Industrial Sector Guide Textile Industry DTI (Danısh Tchnology Institute) Yayını 5.BAT for Textile Industry, UNEP (United Nations Environment Programme) Yayını.						
23	Assesment								
TERM	LEARNING ACTIVITIES NUI	MBE V	VEIGHT						
	K								

Midterm Exam	0	0.00						
Quiz	0	0.00						
Home work-project	0	0.00						
Final Exam	1	100.00						
Total	1	100.00						
Contribution of Term (Year) Learning Activ	vities to	0.00						
Contribution of Final Exam to Success Gra	ade	100.00						
Total		100.00						
Measurement and Evaluation Techniques Course	Used in the	The homeworks of the students and the final exam are taken into consideration in the assessment.						
O4 FOTO / WORK LOAD TARK	_							

24 ECTS / WORK LOAD TABLE

25			CON	TRIE	RIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS											
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK3	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1
ÖK4	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1
ÖK5	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1
ÖK6	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1
			LO: L	earr	ning (Dbjed	tive	s P	Q: P	rogra	ım Qu	alifica	tions	5	1	
Contrib ution Level:	ı			2 low		3 Medium			4 High			5 Very High				