E	BEST AVAILABLE TE	снио	LOGY IN TEXTILE FINISHING II						
1	Course Title:	BEST AVAILABLE TECHNOLOGY IN TEXTILE FINISHING II							
2	Course Code:	TEK5516							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
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:								
		Course Content:							
Week	Theoretical Practice								

1	Best available technology in reactive Minimizing of use of urea,	printing,							
	Two step reactive printing								
2	Alternative printing techniques, Digital ink-jet printing								
3	Minimizing the mass of printing paste system in rotation printing machines,	e feeding							
	Recovery of printing paste in the feed system in rotation printing machines	ding							
4	Formaldehyte-free recipes								
5	Avoiding softening via exhaust metho	bd							
6	Reduction of the emissions in antibac finishing	cterial							
7	Decolorasition and cod reduction of wastewater by ozonation,								
	Mechanism of ozonation								
8	Recovery of pigment printing wastew	ater,							
	Minimizing air emissions								
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
Theore	negewa scheme), lical		14	3.00	42.00				
Practica	als/Labs		0	0.00	0.00				
Self_stu	dy and preperation		14	4.00	56.00				
Homew	orks		14	4.00	56.00				
Project	Biodegredable chelating agents,		3	8.00	24.00				
Field S	tudies		0	0.00	0.00				
Midtern	performance Texams		0	0.00	0.00				
Others			0	0.00	0.00				
Final E	effests of textiles		1	2.00	2.00				
Total W	/ork Load				180.00				
Total w	ork load/ 30 hr Labels evaluating the production eco	loav of			6.00				
ECTS (Credit of the Course				6.00				
22	Textbooks, References and/or Other Materials:		 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 L	EARNING ACTIVITIES	NUMBE R	WEIGHT						

Midterm Exam					0		0.0	0.00								
Quiz								0.0	0.00							
Home work-project 0								0.0	0.00							
Final Exam 1								10	100.00							
Total 1							10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade							0.0	0.00								
Contribution of Final Exam to Success Grade							10	100.00								
Total							10	100.00								
Measurement and Evaluation Techniques Used in the Course							ne Th tak	The homeworks of the students and the final exam are taken into consideration in the assessment.								
24 EC	TS /	WO	RK L	OAD	TAB	LE										
25	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	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low 3 Me			Medi	edium 4 High			5 Very High						