

TEXTILE FINISHING TECHNOLOGIES

1	Course Title:	TEXTILE FINISHING TECHNOLOGIES	
2	Course Code:	TEK3062	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	1	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. PERVİN ANIŞ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Görükle Kampüsü, 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:	The aim of the course is to give basic information about textile finishing.	
19	Contribution of the Course to Professional Development:	Learning the methods and machines of applying finishing material to fabric.	
20	Learning Outcomes:		
		1	Learning the terminology to form a basis in pretreatment, dyeing, printing and finishing processes.
		2	To be able to recognize the machines used in finishing operations and to understand the operation of these machines
		3	Gaining the ability to conduct experiments and reporting
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to Finishing Technology / course introduction	Enzymatic desizing	

2	1. Desizing of cotton products 2. Hydrophilisation of cotton products 3. Bleaching of cotton products 4. Optical bleaching / mercerization	Hydrogen peroxide bleaching of cotton		
3	1. Washing wool products 2. Carbonization,decatizing, bleaching 3.Pretreatment of silk products	Causticisation of polyester		
4	1. Washing, bleaching, optical whitening of polyester 2. Heat setting 3.Pretreatment of nylon, acetate products	Reactive dyeing of cotton		
5	1. Dyeing cotton products with reactive dyestuffs 2.Dyeing of cotton products with direct dyes 3. Dyeing cotton products with vat dyes	Vat dyeing of cotton		
6	1. Dyeing wool products with acid dyes 2. Dyeing wool products with metal complex dyestuffs 3. Dyeing wool products with mordant dyestuffs	Disperse dyeing of polyester		
7	1. Dyeing polyester products 2. Dyeing of polyamide products	Acid dyeing of wool		
8	Repetition	Pigment printing		
9	1. Printing pastes and thickeners 2. Direct printing 3. Etching printing 4. Reserve printing	Reactive printing		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	2. Water repellent finishing	14	3.00	42.00
Practicals/Labs		14	1.00	14.00
Self study and preparation		14	2.00	28.00
14	1. Moistproofing finishing	14	2.00	28.00
Homeworks		0	0.00	0.00
Projects	3. Antistatic finishing	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	4. Materials.	12	1.00	12.00
Others		14	0.50	7.00
Final Exams		2	1.00	2.00
Total Work Load				132.00
Total work load/ 30 hr				4.40
ECTS Credit of the Course				4.00
		1. Dönüşüm İhtisas Ders Notları, Dört KÖT, O.G. Mühendislik Fak., Tekstil Mühendisliği Bölümü.		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Midterm Exam		1	40.00	
Quiz		0	0.00	
Home work-project		0	0.00	
Final Exam		1	60.00	
Total		2	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 Techniques Used in the Course									Mid-term and final exams are held for evaluation.							
24	ECTS / WORK LOAD TABLE															
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK2	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK3	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			