	TEXTIL	E INK	-JET PRINTING							
1	Course Title:	TEXTILE	INK-JET PRINTING							
2	Course Code:	TEK4068	8							
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	cle							
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	face							
14	Course Coordinator:	Prof. Dr.	MEHMET KANIK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	E-mail: mekanik@uludag.edu.tr Tel: 224-2942050 Uludağ Üniversitesi Mühendislik Mimarlık Fakültesi Tekstil Mühendisliği Bölümü 16059-Görükle-BURSA								
17	Website:									
18	Objective of the Course:	Djective of the Course: The aim of this course is to train the students in principles of ink jet printing, application of ink jet printing on the textiles and technological developments in this field.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Being able to have knowledge on the theory of ink jet printing and its application in the textile industry.							
		2	Being able to distinguish similarities and differences between classical and ink jet printing techniques.							
		3	Being able to compare the different ink jet printing technologies.							
		4	Being able to determine pre-and post-treatment conditions required for ink jet printing depending on the type of fabric and printing method.							
		5	Being able to propose solutions to common errors in ink jet printing applications.							
		6	Being able to observe and present of technological developments on textile ink jet printing.							
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							

1	Introduction to digital printing to and ink jet printing.	echnologies			
2	Fundamental principles used in printing.	n ink-jet			
3	Ink-jet printing systems and tec specifications-1	chnical			
4	Ink-jet printing systems and tec specifications-2	chnical			
5	Software for ink jet printing and functions.	their main			
6	Ink-jet printing inks (dyes).				
7	Application of ink jet printing or	n the textiles.			
8	Pre- and after-reatments applic fabrics for ink-jet printing-1.	ed onto the			
9	Pre- and after-reatments applie fabrics for ink-jet printing-2.	ed onto the			
10	Repetition of past issues. Midterm exam.				
11	Common faults in ink-jet printir	ng.			
12	Industrial visit.				
13	The latest developments in tex printing technologies. Home work presentations.	tile ink jet			
14	The latest developments in tex	tile ink jet			
Activi	tes Malterials:		Number		(hour) Total Work Load (hour)
			— Dubliabina Lta	gital Printing @ Textile	
	cals/Labs		0	0.00	0.00
	Mksesheshperation		14	1.00	14.00
Home		ıĸ	1	15.00	15.00
	m Evom	1	2000	0.00	0.00
Field S			0	0.00	0.00
Midter	m exams	4	20.00	12.00	12.00
Others			1	6.00	6.00
Final E	xams		30,00	15.00	15.00
	Vork Load	- 10			90.00
Long V	outon of Term (Tear) Learning A york load/ 30 hr	ACTIVITIES TO	30.00		3.00
	Credit of the Course				3.00
Total			100.00		
Measu Course	rement and Evaluation Techniq	ues Used in tl	ne		
24	ECTS / WORK LOAD TA	BLE			
25	CONTRIBUT		ARNING OUT	COMES TO PRO	GRAMME
	PQ1 PQ2 PQ3 PQ4 PQ	5 P06 P07	POS POS PO1	PO11 PO12 PO1	PO14 PO15 PO16

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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5

Contrib 1 very low ution Level:			2 low		3 Medium			4 High			5 Very High					
LO: Learning Objectives PQ: Program Qualifications																
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	4	3	0	2	0	0	0	0	0	4
ÖK4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
ÖK3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5