CHEMICAL TESTS										
1	Course Title:	СНЕМІС	AL TESTS							
2	Course Code:	TKSZ201								
3	Type of Course:	Compuls	ory							
4	Level of Course:	Short Cycle								
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	-								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Prof. Dr. Mehmet Karahan								
15	Course Lecturers:	Doç. Dr. Mehmet Karahan Öğr. Gör. Dr. Mürüvvet Mangut Öğr.Gör. Semiha EREN								
16	Contact information of the Course Coordinator:	mkarahan@uludag.edu.tr Teknik Bilimler M.Y.O. +902242942367								
17	Website:									
18	Objective of the Course:	To study the chemical tests used in textile industry, to be able to analyze the textile materials with various methods, apply the certain chemical tests to textile materials and to gain qualifications of statistically calculation and interpretation of test results.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To explain textile laboratory test conditions and effect of these conditions on textile materials.							
		2	To explain the qualitative and quantitative test methods.							
		3	To be able to distinguish the textile fibers from each other using various analysis methods.							
		4	To be able to apply the chemical fiber identify methods.							
		5	To be able to calculate the ratios of fibers on mixed textile materials.							
			To be able to explain the concept and types of color fastness.							
		7	To explain the measurement of various fastness methods applied to the textile materials.							
		8	To understand the flame retardant concept in textile.							
		9	To be able to explain the determination of hydrophility, capillarity and formaldehyde.							
		10	To analyze the test results statistically in textile.							
21	Course Content:									
		Co	urse Content:							
Week	Theoretical Practice									

1	To give the laboratory test conditions humidity and moisture factor and thei on measurements.		To study the textile materials with microscopy analysis.								
2	To introduce the qualitative analyze n	nethods.	To	To study the textile fibers with microcopy analyze.							
3	To introduce the quantitative analyze methods.		Fi	Fiber identification with burning.							
4	To explain the fiber identification methods.	hods	Fi	Fiber identification with dry distillation.							
5	To explain the natural fiber distinguishmethods using by chemical solving m		To	To solve the natural fibers with chemical solving methods.							
6	To explain the synthetic fiber distingumethods using by chemical solving m			To solve the synthetic fibers with chemical solving methods.							
7	To explain the binary and triple mixed materials.	d textile	To identify the binary and triple textile fabrics.								
8	Repeating courses and midterm exar	n I	Α	nswering the exam que	estions						
9	To explain the determination of weight of fibers in binary mixed textile materiusing by quantitative methods. To explain determination of weight ratios of fiber triple mixed textile materials using by quantitative methods.	ials plain the s in	To apply the chemical solving method to binary mixed textile materials								
10	To give general information about measurement and evaluation of color fastness methods.		Applying of washing, rubbing and light fastness in textile materials.								
11	To give general information about the different color fastness.)	Applying of washing, rubbing and light fastness in textile materials.								
Activit	res			Number	Duration (hour)	Total Work Load (hour)					
Theore	Repeating courses and midterm exar	n	Α	nswering the exam que	2 stions	28.00					
	als/Labs			14	2.00	28.00					
Self stu	dy and preperation		 .	14	2.00 28.00						
Homew	vorks			0	0.00 0.00						
Project	\$			0	0.00 0.00						
Field S	tudies			0	0.00 0.00						
Midtern	n exams		3 ⊉ekstilde kimyasal testhar,döbitak Sagem ஜayodarı								
Others				0	0.00 0.00						
Final E	kams FARNING ACTIVITIES	NUMBE	\A	1 FIGHT	16.00	16.00					
	Vork Load					140.00					
†√b¢tae vo	то. Г. Харан (30 hr	2	4	0.00		4.00					
ECTS (Credit of the Course				4.00						
Home work-project 0				0.00							
Final E	xam	1	60.00								
Total		3	100.00								
	oution of Term (Year) Learning Activities s Grade	es to	40.00								
Contrib	ution of Final Exam to Success Grade)	60.00								
Total			100.00								
Measur Course	rement and Evaluation Techniques Us	ed in the									
24	24 ECTS / WORK LOAD TABLE										

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	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK3	5	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK5	5	0	5	0	5	5	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	3	3	4	0	0	3	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK9	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	4	4	0	0	0	0	5	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution					3 Medium			4 High			5 Very High				