REACTION MECHANISMS ON TEXTILE TREATMENT									
1	Course Title:	REACTION MECHANISMS ON TEXTILE TREATMENT							
2	Course Code:	TEK5543							
3	Type of Course:	Optional							
4	Level of Course:	Second Cycle							
5	Year of Study:	1							
6	Semester:	1							
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. MEHMET ORHAN							
15	Course Lecturers:	None							
16	Contact information of the Course Coordinator:	Dr. Mehmet ORHAN morhan@uludag.edu.tr Tel. +90.0.224.294 20 64 Adres: Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Tekstil Mühendisliği Bölümü 16059 Nilüfer Bursa, Türkiye.							
17	Website:								
17 18	Website: Objective of the Course:	basic pri	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile						
		basic prin reaction treatmen This cou approact	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile						
18	Objective of the Course: Contribution of the Course to	basic prin reaction treatmen This cou approact	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prin reaction treatmen This cou approact	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prin reaction treatmen This cou approach occur be	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and hes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prin reaction treatmen This cou approach occur be	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry.						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prin reaction treatmen This cou approach occur be	eral objective of this course is to give knowledge about the neiples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and hes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry.						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prir reaction treatmen This cou approach occur be 1 2 3	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to make connections between organic functional groups and textile fibers. The student will be able to select the appropriate reaction mechanism for any textile fiber.						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prirreaction treatmen This cou approach occur be 1 2 3 4 5 6	eral objective of this course is to give knowledge about the neiples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and hes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to make connections between organic functional groups and textile fibers. The student will be able to select the appropriate reaction						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prin reaction treatmen This cou approach occur be 1 2 3 4 5 6 7	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to make connections between organic functional groups and textile fibers. The student will be able to select the appropriate reaction mechanism for any textile fiber. The student will be able to describe and explain the risks related to organic compounds (personal and						
18	Objective of the Course: Contribution of the Course to Professional Development:	basic prirreaction treatmen This cou approach occur be 1 2 3 4 5 6	eral objective of this course is to give knowledge about the nciples, applications, and uses of the basic principles of mechanisms between textile fibers and chemicals in textile ts. rse contributes to explain the basic principles, concepts and nes of Organic Chemistry and the reaction mechanisms that tween textile fibers and chemicals. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to define and explain the basic principles, approaches, and concepts of Organic Chemistry. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to explain the reaction mechanisms occurring between textile fibers and chemicals. The student will be able to select the appropriate reaction mechanism for any textile fiber. The student will be able to describe and explain the risks related to organic compounds (personal and						

		10									
21	Course Content:										
	Course Content:										
Week	Theoretical		Ρ	ractice							
1	Classification of Polymers and Proper Textile Polymers.	ties of									
2	Investigation of Some Fibers Produce Different Polymers.	d from									
3	Carbon Compounds and Chemical Bo	onds.									
4	Alkanes, Alcohols and Ethers, Amines Aldehydes, and Ketones.	3,									
5	Carboxylic Acids and Esters, Amides, Alkenes.										
6	Aromatic Compounds: Aromaticity Be Aromatic Compounds Heterocyclic Ar Compounds Ortho / Meta- / Para-Posi	omatic									
7	Functional Group Transformations: Determination of Oxidation Step Electronegativity (C, H, O, Cl, Br).										
8	Reduction Reaction: Reduction Reage Oxidation Reaction: Oxidation Reager	nts.									
9	Acid-Base Reaction: Acid and Base D Weak Acids Strong Acids Buffer solution	ions.									
10	Functional Groups, Intermolecular For	rces.									
Activites			Number	Duration (hour)	Total Work Load (hour)						
Theore 13	Radical Reactions.			14	3.00	42.00					
Practicals/Labs				0	0.00	0.00					
Self st	udy and preperation			14	84.00						
Home	works			1	34.00						
Projec	ts		s.	4 94, 2008.	0.00						
Field S	Studies			0	0.00						
Midtern exams				9tuart B.H. Polymer A	<u>9</u> .00						
Others				0	0.00						
Final E	kams		6.	\$andler S.R., Karo W.	,283c0/0esteel J., Pea	200.E0M.,					
Total V	Vork Load					180.00					
Total v	vork load/ 30 hr		7	Robinson J.W., Skelly	E.M., Frame G.M.,	61.000 ergraduate					
ECTS	Credit of the Course					6.00					
			Organic Chemistry, 2008. 9.Criddle W.J., Ellis G.P., Spectral and Chemical Characterization of Organic Compounds, 3. ed. John Wiley and Sons 1990. 10. G. Solomons ve C. Fryhle (Çev. Ed. G. Okay ve Y. Yıldırır), Organik Kimya, Literatür Yayınları, 2002. 11. J. McMurry, Organic Chemistry, Brooks/Cole Publishing Comp., 1992. 12. P. Y. Bruice, Organic Chemistry, Prentice Hall, 2001. 13. R. J. Fessenden ve J. S. Fessenden (Çev. Ed. T. Uyar), Organik Kimya, Güneş Kitabevi, 1992.								
23	Assesment										
TERM		NUMBE R	w	EIGHT							
Midter		0	0.	00							
Quiz		0	0.00								

Home work-project						1		40.	40.00								
Final Exam 1							60.	60.00									
Total 2								10	100.00								
Contribution of Term (Year) Learning Activities to Success Grade								40.	40.00								
Contribution of Final Exam to Success Grade							60.	60.00									
Total							10	100.00									
Measurement and Evaluation Techniques Used in the Course								Exams and questions-answers communication in the class.									
24 EC	24 ECTS / WORK LOAD TABLE																
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	4	3	0	2	0	0	0	2	0	0	0	0	0	0	0	4	
ÖK2	4	3	0	2	0	0	0	2	0	0	0	0	0	0	0	4	
ÖK3	3	3	2	2	2	3	0	0	0	0	3	0	0	2	0	4	
ÖK4	3	3	0	4	3	0	0	0	0	0	0	0	0	0	0	4	
ÖK5	3	3	0	3	4	0	0	0	0	0	0	0	0	3	0	4	
ÖK6	4	4	0	2	3	3	0	0	0	0	3	2	3	3	0	4	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib1 very low2utionLevel:1		2 Iow		3	Medi	dium 4 High 9				5 Ver	5 Very High						