

NATURAL FIBERS

1	Course Title:	NATURAL FIBERS
2	Course Code:	TKSZ101
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr. Gör. Dr. YELİZ UMUR
15	Course Lecturers:	Öğr. Gör.Yeliz UMUR Öğr. Gör. Dr. Mürüvvet MANGUT Doç.Dr. Sunay ÖMEROĞLU Öğr.Gör.Nevin KARAHAN Doç.Dr.Mehmet KARAHAN
16	Contact information of the Course Coordinator:	U.Ü.Orhangazi Meslek Yüksekokulu Tekstil Teknolojisi Program Başkanı ylz@uludag.edu.tr/ Tel:0(224)5739862-62133
17	Website:	
18	Objective of the Course:	To learn the obtaining of natural textile fibers and presentation of physical and chemical properties and using the range of the fibers
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Explaining of the effects of fiber properties in fiber structural units
	2	Explaining of physical and chemical properties of the textile fibers
	3	Classification of natural fibers as vegetative and animals
	4	Analyzing of the performance of the fibers against the physical and chemical effects in enterprice and using area
	5	Recognizing vegetative fibers and explaining these fiber properties according to the use of place
	6	Recognizing of animal fibers and explaining these fiber properties according to the use of place
	7	Explaining the contributions of the product of the physical properties of the fibers
	8	Explaining of results of chemical processes to be applied the product from textile fibers

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21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	Defining of fiber, describing of their inner structure			
2	Describing of the physical properties of fibers			
3	Describing of the physical properties of fibers and classification of fibers			
4	Introduction to the vegetable fibers, obtaining of cotton fibers			
5	Physical and chemical properties and using area of cotton fibers			
6	Obtaining of body fibers, physical and chemical properties and using area			
7	Obtaining of leaf fibers and other seed fibers, physical and chemical properties and using area			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		14	2.00	28.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm Exams		2	9.00	18.00
Others		0	0.00	0.00
Final Exams		1	32.00	32.00
Total Work Load				120.00
Total work load/ 30 hr				4.00
ECTS Credit of the Course				4.00
22	Textbooks, References and/or Other Materials:	1. Başer, L, Elyaf Bilgisi, (1992).Marmara (X Yayınlan, İstanbul. 2. Mangut,M ve Karahan,N (2005) Tekstil Lifleri,Etin Kitabevi,Bursa 3. Yazıcıoğlu, G.ve Gülümser, G., (1993).İpek Ve Diğer Salgı Lifleri, Ege Ü.Yayınlan, İzmir 4.Yakartepe,M.veYakartepe,Z.,(1995).T.A.K.M.Genel Tekstil ansiklopedileri 10 Cilt.İstanbul. 5. Harmancıoğlu, M. ve Yazıcıoğlu,G.,(1979)Bitkisel Lifler.Ege Ü. Matbaası İzmir. 6.Harmancıoğlu,M (1974).Lif Teknolojisi, Yün ve Deri Ürünü Diğer Lifler,Ege Ü. Matbaası, İzmir. 7.Öğr.Gör.Yeliz UMUR; Genel İplik Teknolojisi ders notları,		
23	Assesment			

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	2	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	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		

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	5	4	0	0	0	5	3	0	0	5	0	0	0	0	0	0
ÖK2	5	0	0	0	0	5	0	0	0	4	0	0	0	0	0	0
ÖK3	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK5	5	5	4	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK6	5	5	4	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK7	0	5	4	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	4	0	4	5	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							