

ANALYSIS METHODS OF TEXTILE FIBERS

1	Course Title:	ANALYSIS METHODS OF TEXTILE FIBERS	
2	Course Code:	TEK4082	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
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:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ESRA KARACA	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	B. U. Ü. Mühendislik Fakültesi Tekstil Mühendisliği Bölümü Görükle 16059 BURSA ekaraca@uludag.edu.tr 0 224 294 20 52	
17	Website:		
18	Objective of the Course:	1.To train students in understanding of importance of fiber analysis. 2.To provide knowledge on methods of fiber analysis. 3.To provide experience in selecting and concluding of appropriate methods for fiber analysis. 4.To provide experience about fiber analyses in laboratory in groups.	
19	Contribution of the Course to Professional Development:	Analyzing fibers	
20	Learning Outcomes:		
		1	To select appropriate methods for fiber analysis.
		2	To perform qualitative analyses.
		3	To perform quantitative analyses.
		4	To determine the fiber content.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	General aspects of testing test	
2	Classification of fiber analysis methods	
3	Microscopic methods	
4	Practice on microscope	
5	Determination of refractive index, density and moisture regain	
6	Determination of melting point and spectroscopic methods	
7	Analysis of mechanical properties	
8	Practice on mechanical tests	
9	Dyeing test	
10	Burning and dry distillation tests	
11	Practice on burning and dry distillation tests	
Activites		
	Number	Duration (hour)
		Total Work Load (hour)
14	Practice on qualitative and quantitative chemical agent tests	14
	Practicals/Labs	0
	Self study and preparation	0
22	Textbooks, References and/or Other	1
	Homeworks	0
	Projects	0
	Field Studies	0
	Midterm exams	0
	Others	0
23	Assesment	1
	Final Exams	1
	Total Work Load	
	Total work load/ 30 hr	1
	ECTS Credit of the Course	
	Home work-project	0
	Final Exam	1
	Total	2
	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	Exams
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	3	0	4	4	0	0	0	0	0	0	0	0	0	0	0	5
ÖK2	3	0	4	0	4	0	0	0	0	0	0	0	0	0	0	5
ÖK3	3	0	4	0	4	0	0	0	0	0	0	0	0	0	0	5
ÖK4	0	4	0	0	0	5	0	0	0	0	0	0	0	0	0	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				