

INDUSTRIAL TEXTILES

1	Course Title:	INDUSTRIAL TEXTILES	
2	Course Code:	TEK4402	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	4.00	
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. ASLI HOCKENBERGER	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	sengonul@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To give information about textile materials used in industry for technical purposes.	
19	Contribution of the Course to Professional Development:	In this course, properties of textiles which are used for technical purposes in industry are investigated in detail.	
20	Learning Outcomes:		
		1	Learning about textiles used for industrial purposes.
		2	Having information about fibers used for production of technical textiles.
		3	Having information about production of textile surfaces used for technical purposes.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Definition of technical textiles		
2	Differences between technical and conventional textiles		
3	Classification of technical textiles		

4	Technical textiles used for filtration, definition of filter, mechanism of filtration	
5	Properties of textile surfaces used for filtration	
6	Presentation of the first homework projects and discussion	
7	Properties of automotive upholstery fabrics and their production methods	
8	Test methods and standards	
9	Examination of different automotive upholstery fabrics	
10	Properties of seat belts and their working principles	
11	Properties of textile fabrics used in seat belts	
12	Properties of air bags and their working principles	
13	Presentation of the second homework projects and discussion	
14	Properties of textile fabrics used for air bags	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical			
Midterm Exam	1	30.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preparation	1	60.00	48.00
Homeworks	2	12.00	24.00
Projects	3	100.00	0.00
Field Studies	0	0.00	0.00
Success Grade	1	10.00	10.00
Midterm exams			
Others	0	0.00	0.00
Total Exams	1	10.00	10.00
Total Work Load			130.00
Course	exam, project and final exam		4.00
Total work load/ 30 hr			
ECTS Credit of the Course			4.00

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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