INTRODUCTION TO TEXTILE TREATMENT

1	Course Title:	INTRODUCTION TO TEXTILE TREATMENT
2	Course Code:	TEK2016
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. PERVİN ANİŞ
15	Course Lecturers:	Doç.Dr. Hüseyin Aksel EREN
16	Contact information of the Course Coordinator:	pervin@uludag.edu.tr, 42042
17	Website:	
18	Objective of the Course:	Teaching the terminology of textile treatment; Defining and classifying the processes of textile treatment; Introduction to textile treatment machines; Establishing the relation between machine parameters and material quality
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	Being able to recognize treatment machine
	2	Being able to Understand machine functions
	3	Being able to Create temperature-time-concentration relations
	4	Being able know theoretical and practical aspects of textile finishing processes also washing and drying
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to textile treatment, Basic operations of textile treatment.	
2	Exhaust application method, Impregnation application method.	
3	Low-liquor application techniques, Foam application, Damping, Coating.	

4	Maximum application techniques.	
5	Fabric dyeing machines, Winches, Jiggers	
6	Beam dyeing machines, Jet dyeing machines.	
7	Impregnation machines, Semi-continuous systems/Pad- Batch	
8	Repeating courses and midterm exam	
9	Pad-roll, Pad-jig	
10	Steamers, Pad-steam method	
11	Pre-drying machines and methods, Squeezing, Centrifuge, Suction	
12	Basics of convection drying, Stenters	
13	Hot-flue, Contact dryers, Radiation dryers	
14	Mechanism of washing, Rope washing machines, Open width washing machines	

22	Textbooks, References and/or Other Materials:	•Tekstil Terbiyesi ve Makineleri (In Turkish, Textile Treatment and Machines), Prof.Dr.Işık Tarakçıoğlu, E.Ü. Tekstil Konfeksiyon Basımevi-İzmir, 2000, 102s, ISBN975-483-444-x. •Tekstil Terbiyesinde Aplikasyon Yöntem ve Makineleri (In Turkish, Apllication Methods and Machines at Textile Treatment), Prof.Dr.Işık Tarakçıoğlu, E.Ü. Tekstil Konfeksiyon Basımevi-İzmir, 2000, 97s, ISBN 975-483-445-8. •Tekstil Terbiyesinde Yıkama Yöntemleri ve Makineları, Basımevi-İzmir, 1999, 314s. •Textile Wet Processes, E. Olson, Noyes Publication-USA •Engineering in Textile Coloration, C. Ducwort, Dyers Company Publication Trust-Englandss, 1983, 574p, ISBN

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	12	1.50	18.00
Homeworks	1	54.00	54.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	1	50.00

Contribution of Term (Year) Learning Activities to Success Grade	50.00
Contribution of Final Exam to Success Grade	50.00
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	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				