



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Treatment Technology							
Course Code		İTN108		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Explaining the pre-finishing by giving the summary information the main processes at the textile finishing firms, the finishing methods, the characteristics of the methods							
Course Content		The pre-finishing processes (coloration and priting)							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Genel Tekstil Terbiyesi ve Bitim İşlemleri Doç Dr. Süleyman Çoban
2	T.K.A.M. Yayını; Tekstil Teknolojisi Kasardan Apreye
3	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Hydrogen peroxide bleaching of a cotton fabric
	Practice	Hydrogen peroxide bleaching of a cotton fabric
	Laboratory	Hydrogen peroxide bleaching of a cotton fabric
2	Theoretical	Hydrogen peroxide bleaching of a cotton fabric
	Practice	Hydrogen peroxide bleaching of a cotton fabric
	Laboratory	Hydrogen peroxide bleaching of a cotton fabric
3	Theoretical	Washing processes of a woollen goods
	Practice	Washing processes of a woollen goods
	Laboratory	Washing processes of a woollen goods
4	Theoretical	Washing processes of a polyester goods
	Practice	Washing processes of a polyester goods
	Laboratory	Washing processes of a polyester goods
5	Theoretical	Dyeing of a cotton fabric with reactive dyestuff
	Practice	Dyeing of a cotton fabric with reactive dyestuff
	Laboratory	Dyeing of a cotton fabric with reactive dyestuff
6	Theoretical	Dyeing of a cotton fabric with reactive dyestuff
	Practice	Dyeing of a cotton fabric with reactive dyestuff
	Laboratory	Dyeing of a cotton fabric with reactive dyestuff
7	Theoretical	Dyeing of a polyester fabric with dispers dyestuff
	Practice	Dyeing of a polyester fabric with dispers dyestuff
	Laboratory	Dyeing of a polyester fabric with dispers dyestuff
8	Theoretical	Dyeing of a polyester fabric with dispers dyestuff
	Practice	Dyeing of a polyester fabric with dispers dyestuff
	Laboratory	Dyeing of a polyester fabric with dispers dyestuff
9	Theoretical	Work pattern
	Practice	Work pattern
	Laboratory	Work pattern
10	Theoretical	Doing of pigment priting
	Practice	Doing of pigment priting



10	Laboratory	Doing of pigment printing
11	Theoretical	Doing of pigment printing & softening of a cotton fabric
	Practice	Doing of pigment printing & softening of a cotton fabric
	Laboratory	Doing of pigment printing & softening of a cotton fabric
12	Theoretical	Softening of a cotton fabric
	Practice	Softening of a cotton fabric
	Laboratory	Softening of a cotton fabric
13	Theoretical	Able to do water repellent finishing to a cotton fabric
	Practice	Able to do water repellent finishing to a cotton fabric
	Laboratory	Able to do water repellent finishing to a cotton fabric
14	Theoretical	Able to do water repellent finishing to a cotton fabric
	Practice	Able to do water repellent finishing to a cotton fabric
	Laboratory	Able to do water repellent finishing to a cotton fabric

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	3	42
Project	1	0	10	10
Laboratory	10	0	2	20
Midterm Examination	1	6	0	6
Final Examination	1	8	0	8
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Able to implement the pre-finishing processes to textiles
2	2. Able to paint, print to textiles
3	
4	Making Digital Printing on Textile Products
5	Making Chemical Finishing Processes for Textile Products

Programme Outcomes (Textile Technology)

1	1. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. Be able to recognize problems, develop solutions for the problems, designing and having the ability to use theoretical knowledge in practical applications.
2	2. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. – Be able to choose technical equipments which are needed for applications in the field and use effectively. - Awareness of the need for life-long learning to follow developments in the textile technology, learning independently and to gain awareness of continuous self-renewal. - Be able to examine the application of production processes in the textile industry. – Be respectful to their own history and to be conscious about the subjects of social responsibility, universal and social and professional ethics.
3	3. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.
4	4. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. - To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.
5	5. Be able to examine the application of production processes in the textile industry. Be able to identify problems, to develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. Be respectful their own history and be conscious about the subjects of social responsibility, universal and social and professional ethics.
6	6. Be able to examine the application of production processes in the textile industry. To be aware solutions and applications of the effects of global and societal context in technician-level; being aware of entrepreneurship and innovation, and to have knowledge of the issues of the age.
7	7. To gain the knowledge and awareness of Atatürk's principles & reforms and using Turkish Language effectively.



8 8. To gain the knowledge about his/her society and to gain a different point of view about the world

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3
P1	5	5	5
P2	5	5	5
P3	5	5	5
P4	5	5	5
P5	5	5	5
P6	3	3	3
P7	5	5	5
P8	3	3	3

