



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Dyeing of Cellulose –I							
Course Code		İTN203		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		At the end of this course, students will gain competencies to measure , to have chromatics and dyeing of cellulose-based textiles by using direct, reactive, vat, sulphur dyestuff							
Course Content		To have knowledge about the whole features of cellulose dye. Chemicals and theirs tasks which are used in dyeing. Calulation of the recipe and be able to read the diagram.							
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	TKAM Tekstil Terbiye Teknolojisi
2	Boyarmadde Kimyası Prof. Dr. İnci BAŞER
3	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Differentiation of colours and the features of colours
	Practice	Differentiation of colours and the features of colours
	Laboratory	Differentiation of colours and the features of colours
2	Theoretical	Colour measurement and measurement methods
	Practice	Colour measurement and measurement methods
	Laboratory	Colour measurement and measurement methods
3	Theoretical	Colour measurement and measurement methods
	Practice	Colour measurement and measurement methods
	Laboratory	Colour measurement and measurement methods
4	Theoretical	Dyeing
	Practice	Dyeing
	Laboratory	Dyeing
5	Theoretical	Finishing
	Practice	Finishing
	Laboratory	Finishing
6	Theoretical	Cold dyeing
	Practice	Cold dyeing
	Laboratory	Cold dyeing
7	Theoretical	Warm dyeing
	Practice	Warm dyeing
	Laboratory	Warm dyeing
8	Theoretical	Hot dyeing
	Practice	Hot dyeing
	Laboratory	Hot dyeing
9	Theoretical	Finishing, Vatting
	Practice	Finishing, Vatting
	Laboratory	Finishing, Vatting
10	Theoretical	Management of IK



10	Practice	Management of IK
	Laboratory	Management of IK
11	Theoretical	Management of IW
	Practice	Management of IW
	Laboratory	Management of IW
12	Theoretical	Management of IN, Reduction
	Practice	Management of IN, Reduction
	Laboratory	Management of IN, Reduction
13	Theoretical	Reduction, Dyeing
	Practice	Reduction, Dyeing
	Laboratory	Reduction, Dyeing
14	Theoretical	Dyeing, Oxidation
	Practice	Dyeing, Oxidation
	Laboratory	Dyeing, Oxidation

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Laboratory	10	0	3	30
Reading	11	0	3	33
Midterm Examination	1	10	0	10
Final Examination	1	10	0	10
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Be able to understand chromatics and color measurement
2	Dyeing by using direct dyestuff
3	Dyeing by using reactive dyestuff
4	Dyeing by using vat dyestuff
5	Dyeing by using sulphur dyestuff

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

	L1	L2	L3	L4	L5
P1	3	3	3	3	3
P2	5	5	5	5	5
P3	5	5	5	5	1
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	3	3	3	3	3
P7	4	4	4	4	4
P8	3	3	3	3	3

