



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Dyeing of Synthetics							
Course Code		İTN208		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Dyeing with synthetic dyes used in textile dyeing							
Course Content		Recognize and apply all the properties of dyes and chemical substances dyeing synthetic fibers.							
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	Ders Notları.

Week	Weekly Detailed Course Contents	
1	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
2	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
3	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
4	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
5	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
6	Theoretical	Dyeing of Polyamide Based Products
	Practice	Dyeing of Polyamide Based Products
7	Theoretical	Dyeing Methods of Fiber Blends
	Practice	Dyeing Methods of Fiber Blends
8	Theoretical	Dyeing of Fiber Blends
	Practice	Dyeing of Fiber Blends
9	Theoretical	Dyeing of Cotton / Polyester Blends
	Practice	Dyeing of Cotton / Polyester Blends
10	Theoretical	Dyeing of Cotton / Viscose Blends
	Practice	Dyeing of Cotton / Viscose Blends
11	Theoretical	Dyeing of Cotton / Viscose Blends
	Practice	Dyeing of Cotton / Viscose Blends
12	Theoretical	Dyeing of Polyester / Wool Blends
	Practice	Dyeing of Polyester / Wool Blends
13	Theoretical	Staining of polyacrylonitrile mixtures
	Practice	Staining of polyacrylonitrile mixtures
14	Theoretical	Dyeing of Polyurethane Fibers. Dyeing of Polyurethane Mixtures
	Practice	Dyeing of Polyurethane Fibers. Dyeing of Polyurethane Mixtures



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Laboratory	14	0	1	14
Midterm Examination	1	9	0	9
Final Examination	1	10	0	10
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

**Learning Outcomes**

1	Polyamide painting
2	Polyester Dyeing
3	Polyacrylonitrile Painting
4	Polyurethane Painting
5	Mixing Painting

**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 Ataturk'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	L4	L5
P1	3	3	3	3	3
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	4	4	4	4	4
P5	5	5	5	5	5
P6	3	3	3	3	3
P7	4	4	4	4	5
P8	3	3	3	3	3

