AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Natural Fibers						
Course Code	İTN103		Couse Level		Short Cycle (Associate's Degree)		
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	1	Laboratory	0
Objectives of the Course	At the end of this cource; the student will gain competencies to make transactions and to distinguish between natural fibers.						
Course Content	To learn the obtaining of natural textile fibers and presentation of physical and chemical properties and using the range of the fibers						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation)				
Name of Lecturer(s)							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Elyaf Bilgisi Prf. Dr. İnci BAŞER
2	2. Tekstil Lifleri Mürüvvet MANGUT - Nevin KARAHAN
3	3. Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Identification of the physical properties of fibers and classification of fiber by using microscope
	Practice	Identification of the physical properties of fibers and classification of fiber by using microscope
	Laboratory	Identification of the physical properties of fibers and classification of fiber by using microscope
2	Theoretical	Identification of the physical properties of fibers and classification of fiber by using microscope
	Practice	Identification of the physical properties of fibers and classification of fiber by using microscope
	Laboratory	Identification of the physical properties of fibers and classification of fiber by using microscope
3	Theoretical	Identification of the variety and mix proportion of fibers by applying burning test
	Practice	Identification of the variety and mix proportion of fibers by applying burning test
	Laboratory	Identification of the variety and mix proportion of fibers by applying burning test
4	Theoretical	Identification of the variety and mix proportion of fibers by applying burning test
	Practice	Identification of the variety and mix proportion of fibers by applying burning test
	Laboratory	Identification of the variety and mix proportion of fibers by applying burning test
5	Theoretical	Identification of the variety and mix proportion of fibers with dry distillation
	Practice	Identification of the variety and mix proportion of fibers with dry distillation
	Laboratory	Identification of the variety and mix proportion of fibers with dry distillation
6	Theoretical	Identification of the variety and mix proportion of fibers with dry distillation
	Practice	Identification of the variety and mix proportion of fibers with dry distillation
	Laboratory	Identification of the variety and mix proportion of fibers with dry distillation
7	Theoretical	Identification of the feature of the vegetable fibers
	Practice	Identification of the feature of the vegetable fibers
	Laboratory	Identification of the feature of the vegetable fibers
8	Theoretical	Identification of the feature of the vegetable fibers
	Practice	Identification of the feature of the vegetable fibers
	Laboratory	Identification of the feature of the vegetable fibers
9	Theoretical	Identification of the feature of the vegetable fibers with discrimination tests
	Practice	Identification of the feature of the vegetable fibers with discrimination tests
	Laboratory	Identification of the feature of the vegetable fibers with discrimination tests
10	Theoretical	Identification of the feature of the vegetable fibers with discrimination tests

10	Practice	Identification of the feature of the vegetable fibers with discrimination tests
	Laboratory	Identification of the feature of the vegetable fibers with discrimination tests
11	Theoretical	Identification of the feature of the animal fibers
	Practice	Identification of the feature of the animal fibers
	Laboratory	Identification of the feature of the animal fibers
12	Theoretical	Identification of the feature of the animal fibers
	Practice	Identification of the feature of the animal fibers
	Laboratory	Identification of the feature of the animal fibers
13	Theoretical	Identification of the feature of the animal fibers with discrimination tests
	Practice	Identification of the feature of the animal fibers with discrimination tests
	Laboratory	Identification of the feature of the animal fibers with discrimination tests
14	Theoretical	Identification of the feature of the animal fibers with discrimination tests
	Practice	Identification of the feature of the animal fibers with discrimination tests
	Laboratory	Identification of the feature of the animal fibers with discrimination tests

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Seminar	5	2	0	10
Midterm Examination	1	22	0	22
Final Examination	1	26	0	26
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. To make fiber detection tests
2	2. Classification of vegetative natural fibers
3	3. Classification of animal natural fibers
4	To recognize the chemical structure of fibers
5	Physical Chemical Properties of Fibers

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 Langue 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	3	2	2
P2	5	5	5
P3	5	5	5
P4	5	5	5
P5	5	5	5
P6	3	3	3
P7	4	4	4
P8	3	3	3