



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Textile Testing							
Course Code		TTİ260		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give basic information and concepts related to quality control in textile, standard and standardization, quality control techniques, statistical quality control, fiber and yarn quality control devices to provide information about the working principles and relevant standards.							
Course Content		Quality Control Concept and Importance of Quality Control in Textile. Basic Statistics Concepts. Test and Atmosphere Conditions in Textile. Sampling Methods for Testing. Measurement of Fiber Length and Fiber Fine. Grading of Cotton Fibers. Fundamental Principles and Methods in Measurement of Materials. Determination of Fiber and Yarn Strength. Yarn Number, Twist, Smoothness and Measurement of Hairiness							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Project Based Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Assist. Prof. Dr. Mehmet Akalın (1994) Course notes in physical tests in textile.
2	Assist.Prof.Dr.Suat Canoğlu (1993) Textile technology and application lecture notes.Marmara Üniv.

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of Quality Control in Textile and Basic Concepts
2	Theoretical	Basic Statistics Concepts
3	Theoretical	National and International Standards and Standardization
4	Theoretical	Statistical Process Control, Some Statistical Methods Used in Process Control (Cause and effect diagram, Pareto analysis)
5	Theoretical	Statistical Process Control Applications
6	Theoretical	Test and Atmosphere Conditions, Sampling Methods for Testing
7	Theoretical	Fiber Length and Fiber Thinness, Cotton Fiber Rating
8	Theoretical	Midterm
9	Theoretical	Fiber quality control laboratory application
10	Theoretical	Fiber Strength
11	Theoretical	Yarn Number, Yarn Bending and Strength
12	Theoretical	Yarn Unevenness and Hairiness
13	Theoretical	Yarn Quality Control Laboratory Application
14	Theoretical	Yarn Quality Control Laboratory Application



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	General information about quality control and vision is gained, learns standard and standardization concepts
2	To have information about fiber and yarn quality control tests
3	Have knowledge about the textile laboratory, test devices, the conduct of the experiment, evaluate the results and present them.
4	To be able to comprehend the chemical structure and properties of cellulose, protein and synthetic fibers.
5	To know various textile products. To be able to comprehend the techniques related to the results, analysis, interpretation and reporting of the examination

Programme Outcomes (Textile Technology)

1	Distinguishing textile fibers
2	Obtaining a sample thread
3	Obtaining a sample woven fabric
4	Obtaining a knitted fabric (Jersey)
5	Carring out overall discipline operations
6	Garment-making operations
7	Obtaining cotton thread
8	Obtaining cotton thread
9	Obtaining cotton thread
10	Obtaining wool thread
11	Obtaining filament thread
12	Obtaining staple thread
13	Obtaining fancy thread
14	Obtaining thread by means of new apining techniques
15	Performing fibre tests
16	Performing thread tests
17	Implementing Quality Assurance System
18	Making statistical calculations
19	Making projects
20	Practicing in a spinning mill

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	4			4	2
P2	1				
P7	1				1
P8	1				1
P9	1				1
P10	1				1
P11	1				1
P12	1				1
P14	1				
P15	5	5	5	5	5
P16	5	5	5	5	5
P18	3				
P19	5	5	5	5	5



P20	5	5	5	5	5
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