



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Technical Textiles							
Course Code		TT113		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Definition, development and usage of technical textiles.							
Course Content		Care / Hygiene Products: Transport Technical Textiles Protective Technical Textiles Building and Construction Technical Textiles Industrial Technical Textiles geotextiles Agricultural Technical Texture production methods and usage areas.							
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	Horrocks A.R., Anand S., "Handbook of Technical Textiles", The Textile Institute, 2004
2	Akalın M. "Teknik Tekstiller" Birsen Yayınevi 2010

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of technical textiles and market share
2	Theoretical	Classification of technical textiles and market share
3	Theoretical	Technical textiles used in the field of health
4	Theoretical	Technical drillings used in geological area
5	Theoretical	Technical textiles used in construction and construction
6	Theoretical	Technical textiles used in transportation
7	Theoretical	Technical textiles for industrial use
8	Intermediate Exam	Midterm, (evaluation of the assignments)
9	Theoretical	Technical textiles for protection
10	Theoretical	Technical textiles used in packaging
11	Theoretical	Technical textiles used in agriculture
12	Theoretical	Technical textiles for sports and leisure
13	Theoretical	Technical textiles used as garments and accessories
14	Theoretical	Environmentally friendly technical textiles and textile composites

### 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	To give information about the concept and scope of technical textiles, to learn the basic application areas of technical textiles
2	To have knowledge about raw materials and production techniques used in technical textile production.
3	To have knowledge about applications of technical textiles
4	To have information about the location of technical textiles in Turkey
5	To have knowledge about the position of technical textiles in the world

**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	2	2			
P2	2				
P3	2				
P4	2				
P5	2				
P6	2				
P7	2				
P8	2				
P9	2				
P10	2				
P11	2				
P12	2				
P13	2				
P14	2				
P15	2				
P16	2				
P17	2	2	2		
P18	2				
P19	5	5	5	5	5
P20	3	3			

