



AYDIN ADNAN MENDERES UNIVERSITY
SÖKE VOCATIONAL SCHOOL
ELECTRICAL AND ENERGY
ALTERNATIVE ENERGY SOURCES TECHNOLOGY
COURSE INFORMATION FORM

Course Title	Technical Textiles								
Course Code	TT1113	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)	Ins. Rasih Zafer BİLGE								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

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 (Alternative Energy Sources Technology)

1	Carry out installing work
2	Do mechanical drawing
3	Do pipe welding
4	Do basic electricity works
5	Do Computer assisted design
6	Install solar energy hot water preparation system.
7	Do measurement and calculations practices.
8	Do basic practices of geothermal energy.
9	Install control and automation system.
10	Install domestic water heating system with solar energy.
11	Generate electricity with solar energy
12	Generate electricity with wind power
13	Do geothermal energy practices
14	Install domestic cooling system
15	Do heating pump practices
16	Manage a business
17	SET UP A WORKPLACE/ BUSINESS (pre-requisite)
18	OBEY VOCATIONAL ETHICAL VALUES
19	RESEARCH AND EVALUATION/OBSERVATION
20	SELFIMPROVEMENT WITH USING INFORMATION FACILITIES
21	Knows the effects of all energy sources on the environment.
22	Can communicate in a foreign language

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

	L1	L2	L3	L4	L5
P18	1	1	1	1	1
P19	1	1	1	1	1

