



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

Course Title		Special Installation							
Course Code		ELE152		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In this course, it is aimed to have the students gain the abilities about all kinds of compensation installments, lightning rod, grounding and safety systems installments.							
Course Content		Compensation installment, lightning rod installment, safety systems and grounding installments							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study, Problem Solving					
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Lecturer notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Making of compensation installments
2	Theoretical	Making of compensation installments
3	Theoretical	Making of compensation installments
4	Theoretical	Making of compensation installments
5	Theoretical	Lightning rod installments
6	Theoretical	Lightning rod installments
7	Theoretical	Lightning rod installments
8	Theoretical	Making of grounding installments
9	Theoretical	Making of grounding installments
10	Theoretical	Making of grounding installments
11	Theoretical	Making of safety systems installments
12	Theoretical	Making of safety systems installments
13	Theoretical	Making of safety systems installments
14	Theoretical	Making of safety systems installments

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Term Project	7	3	2	35
Midterm Examination	1	9	2	11
Final Examination	1	10	2	12
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes	
1	Making of compensation installments
2	Lightning rod installments
3	Making of grounding installments
4	Making of safety systems installments



5	Can read special installation project.
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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
P10	3	3	3	3	3
P11	3	4	4	4	4
P12	3	4	3	3	3
P13	3	4	3	4	4
P14	3	4	4	4	4

