



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Building Electrical Installation							
Course Code		ELT183		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this lesson is to gain knowledge and skills to apply low current, lighting and high current installation circuits.							
Course Content		1. Conductors and Insulators 2. Cable installing materials 3. Low current materials 4. Electric circuit and types 5. Low current system application circuits 6. Lighting and power outlet circuit elements 7. Making high current installations 8. To make heat shrink termination fitting 9. Attracting underground power cable							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Project Based Study					
Name of Lecturer(s)		Lec. Taner AKBAŞ							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Aydınlatma Tekniği - Prof.Dr.Muzaffer ÖZKAYA.
2	Elektrik Şebeke ve Tesisleri, Mahmut NACAR.

Week	Weekly Detailed Course Contents	
1	Theoretical	Conductors and Insulators
2	Theoretical	Cable Installing Materials
3	Theoretical	Low Current Materials
4	Theoretical	Electric Circuit and Types
5	Theoretical	Low Current System Application Circuits
6	Theoretical	Low Current System Application Circuits
7	Theoretical	Lighting and Power Outlet Circuit Elements
8	Theoretical	Lighting and Power Outlet Circuit Elements
9	Intermediate Exam	Midterm Examination
10	Theoretical	Lighting and Power Outlet Circuit Elements
11	Theoretical	Making High Current Installations
12	Theoretical	Making High Current Installations
13	Theoretical	Making High Current Installations
14	Theoretical	To Make Heat Shrink Termination Fitting



15	Theoretical	Attracting Underground Power Cable
16	Final Exam	Final Examination

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	10	0	2	20
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Select low current installation materials
2	Apply low current circuits
3	Select lighting installation materials
4	Apply lighting installation circuits
5	Select high current installation materials and apply circuits

**Programme Outcomes (Private Security and Protection)**

1	Know the powers of private security
2	Know defense and attack techniques
3	To understand the security measures
4	Establishing Organizational Communication
5	To apply the basic principles of first aid
6	To be able to make threat assessment and risk management
7	Learn what the body language is and what needs to be considered to ensure effective communication.
8	Weapon information
9	Knows Environmental Health Management in Disasters
10	Knows the elements of crime
11	Prepare a security plan
12	To have necessary knowledge in the field of criminology
13	To be able to determine employee and employer relations
14	To have information about the types of terrorist attacks and the signs of the attacks
15	Evaluate new approaches in security studies
16	Show effective interventions in social activities
17	Search and rescue in case of emergency, conducting emergency studies, can manage the organization
18	Explain the basic elements of health and the factors affecting it.
19	Know the basic principles of survival

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

	L1	L2	L4	L5
P3	5	5	5	5
P6	5	5	5	5
P11	5	5	5	5

