



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 (Automotive Technology)

1	To be able to interpret and evaluate data, identify problems, analyze them, and develop evidence-based solutions by using basic knowledge and skills in the field.
2	Must be able to choose and effectively use the modern techniques, tools and information technologies necessary for field related applications.
3	Must be able to gain practical skills by examining relevant processes in industry and service sector on site.
4	They must be able to produce solutions, take responsibility for teams or do individual work when they encounter situations unforeseen in the field related applications.
5	Awareness of the need for lifelong learning; it must be able to follow the developments in science and technology and to constantly renew itself.
6	Must be able to use computer software and hardware at the basic level required by the field
7	Must have job security, worker health, environmental protection knowledge and quality awareness.
8	He must possess a level of foreign language knowledge that is capable of following the innovations in his area of expertise and communication techniques.
9	Must be able to acquire basic theoretical and practical knowledge about the field in mathematics, science and basic engineering.
10	It should have the ability to plan the processes / processes of the Automotive Program to meet the expectations of the sector.
11	To be able to design the systems and components related to the field by using technical drawing, computer aided drawing, designing using simulation programs and using various softwares, to be able to make basic sizing calculations, to be able to master professional plans and projects.

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

	L1
P5	2

