

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Introduction Installation								
Course Code		ELE107		Couse Level		Short Cycle (Associate's Degree)				
ECTS Credit	4	Workload	56 (Hours)	Theory		2	Practice	0	Laboratory	0
Objectives of the Course		In this course, it is aimed to have the students gain the abilities and knowledge about applications of weak current, illumination and strong current installments.								
Course Content		Materials and and undergro		ak currer	nt, illu	mination s	socket circuit e	elements, st	rong current installr	ments
Work Placement		N/A								
Planned Learn	ning Activities	and Teaching	Methods	Explana Study, I	ation (Proble	(Presentat em Solving	tion), Demonst	tration, Proj	ect Based Study, Ir	ndividual
Name of Lecturer(s)										

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

Recommended or Required Reading

1 Electrical Network and Facilities(Mahmut Nacar)

Week	Weekly Detailed Course Contents						
1	Theoretical	Conductors and Insulators					
2	Theoretical	Cable Installing Materials					
3	Theoretical	Weak Current Materials					
4	Theoretical	Electrical Circuits and Types					
5	Theoretical	Weak Current Installation Application Circuits					
6	Theoretical	Weak Current Installation Application Circuits					
7	Theoretical	Illumination and Socket Circuit Elements					
8	Theoretical	Illumination and Socket Circuit Elements					
9	Theoretical	Illumination and Socket Circuit Elements					
10	Theoretical	Making Strong Current Installations					
11	Theoretical	Making Strong Current Installations					
12	Theoretical	Making Strong Current Installations					
13	Theoretical	Mounting Cable Head					
14	Theoretical	Installing Underground Line Cables					

Workload Calculation							
Activity	Quantity		Preparation	Durati	on	Total Workload	
Lecture - Theory	14		1	2		42	
Midterm Examination	1		5	2		7	
Final Examination	1		5	2		7	
Total Workload (Hours) 56							
[Total Workload (Hours) / 25*] = ECTS							
*25 hour workload is accepted as 1 ECTS							

Learn	ing Outcomes	
1	Selecting weak current materials and applying their circuits	
2	Selecting illumination installment materials and applying their circuits,	
3	Selecting strong current materials and applying their circuits	
4	Mounts the cable head.	



5 Can pull underground cable.

1 TECHNICAL FOREIGN LANGUAGE 2 BASICS OF MECHATRONICS 3 TECHNICAL DRAWING 4 DOING BASIC MECHANIC PROSESES 5 CHOOSE THE MATERIALS 6 DOING MECHANICAL SYSTEM DESIGN 7 SET UP A HYDRAULIC OR PNEUMATICSYSTEMS 8 DOING COMPUTER AIDED MECHANICAL DESIGN 9 USINGFLEXIBLE PRODUCING SYSTEMS 10 USINGCOMPUTER AIDEDMACHINE TOOLS 11 DOING ELECTRICAL AND ELECTRONICAL 12 SET UP ELECTRICAL AND ELECTRONICAL CIRCUITS 13 SET UP LOGICAL CIRCIUTS 14 DOING COMPUTER AIDED ELECTRONICAL CIRCUITSDESIGN 15 SET UP ELECTRICAL MOTORS 16 SET UP MICROCONTROLLER CIRCIUTS 17 SET UP CONTROL SYSTEMS 18 COMMUNICATE CONTROL SYSTEMS 19 DOING INDUSTRIAL ROBOTIC PROGRAMMINGAND MAINTENANCE 20 WRITING COMPUTER PROGRAMME 21 Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.	Progr	amme Outcomes (Mechatronics)
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preferences.	20	WRITING COMPUTER PROGRAMME
Ability to plan a career in their own profession.	21	
	22	Ability to plan a career in their own profession.

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

	L1	L2	L3	L4	L5
P5	5	5			
P12	5	5	5	5	5

