



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Introduction Installation							
Course Code		ELE107		Course 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 circuits of weak current, illumination socket circuit elements, strong current installments and underground cables.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Project Based Study, Individual 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	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	Duration	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				2

*25 hour workload is accepted as 1 ECTS

Learning 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.
---	-----------------------------

Programme Outcomes (Mechatronics)

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 PNEUMATIC SYSTEMS
8	DOING COMPUTER AIDED MECHANICAL DESIGN
9	USING FLEXIBLE PRODUCING SYSTEMS
10	USING COMPUTER AIDED MACHINE TOOLS
11	DOING ELECTRICAL AND ELECTRONICAL
12	SET UP ELECTRICAL AND ELECTRONICAL CIRCUITS
13	SET UP LOGICAL CIRCUITS
14	DOING COMPUTER AIDED ELECTRONICAL CIRCUITS DESIGN
15	SET UP ELECTRICAL MOTORS
16	SET UP MICROCONTROLLER CIRCUITS
17	SET UP CONTROL SYSTEMS
18	COMMUNICATE CONTROL SYSTEMS
19	DOING INDUSTRIAL ROBOTIC PROGRAMMING AND 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.
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

