AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	System Analysis and Design-II								
Course Code	ELE292		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	2	Workload	50 *(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 design, application and presenting of an application project.								
Course Content	Product analysis and presentation for a project product by utilizing scientific methods and techniques								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Discussion, Case Study, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. Serkan ARTAN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Research theses

Week	Weekly Detailed Course Contents	
1	Theoretical	Selecting the subject to work on
2	Theoretical	Presenting the data gained
3	Theoretical	Describing functions and variables of system/product
4	Theoretical	Selecting necessary materials
5	Theoretical	Presenting the data gained
6	Theoretical	Preparing technical specifications or the flow chart of system/product
7	Theoretical	Making the program or calculations of system/product
8	Theoretical	Making the program or calculations of system/product
9	Theoretical	Building the medium that system/product will operate
10	Theoretical	Installing system/product
11	Theoretical	Installing system/product
12	Theoretical	Testing system/product
13	Theoretical	Testing system/product
14	Theoretical	Presenting the outputs of system/product as a report

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	1	14
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Determining the aim and scope of a system/product
2	Detailed research about the subject of system/product
3	Making calculations/writing a software about system/product
4	To be able to do original work on the subject of the system.

5	To be able to present the original design.

Programme Outcomes *(Electrics)*	
1	ABILITY TO MAKE APPLICATIONS OF MEASUREMENT AND CALCULATION
2	ABILITY TO MAKE CONNECTIONS OF A DC CIRCUIT
3	ABILITY TO MAKE BASIC ELECTRONIC CIRCUIT AND APPLICATIONS
4	ABILITY TO MAKE ELECTRIC INSTALLMENT APPLICATIONS
5	ADAPTING VOCATIONAL ETHICAL VALUES
6	ABILITY TO MAKE COMMUNICATION
7	ABILITY TO MAKE CONNECTIONS OF AC CIRCUIT
8	ABILITY TO MAKE NUMERICAL CIRCUITS
9	ABILITY TO MAKE INSTALLATIONS OF TRANSFORMER AND DC ELECTRIC MACHINES
10	ABILITY TO MAKE COMPUTER AIDED DESIGN
11	ABILITY TO APPLY VOCATIONAL TECHNICAL METHODS
12	ABILITY TO MAKE INSTALLATIONS OF AC ELECTRIC MACHINES
13	ABILITY TO MAKE SPECIAL ELECTRIC INSTALLMENTS
14	ABILITY TO MAKE INSTALLMENTS OF COMMAND SYSTEMS
15	ABILITY TO DRAW COMPUTER AIDED ELECTRIC SCHEME
16	ABILITY TO MAKE POWER ELECTRONICS CIRCUITS
17	ABILITY TO MAKE SYSTEM ANALYSIS AND PRODUCT DESIGN
18	ABILITY TO IMPROVE ONESELF UTILIZING INFORMATION OPPORTUNITIES
19	ABILITY TO DRAW COMPUTER AIDED ELECTRIC INSTALLMENT PROJECT
20	ABILITY TO MAKE ANALYSIS AND MAINTENANCE OF ELECTRICAL ENERGY PRODUCTION SYSTEMS
21	ABILITY TO MAKE THE WINDING OF ACCURATE AND ALTERNATIVE CURRENT ENGINES
22	ABILITY TO RECOGNIZE SYSTEMS USED IN ELECTRICAL ENERGY TRANSMISSION AND DISTRIBUTION AND TROUBLESHOOTING
23	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
24	Ability to plan a career in their own profession.
25	To provide them with knowledge about substance use and addiction problem and prevention methods.

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

	L1	L2	L3	L4	L5
P17	5	5	5	5	5