AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Special Design Motors								
Course Code	ELE202			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 about finding the ends of specially designed motors, connecting them to the circuit and operating the motors								
Course Content	Building up and operation of special motors								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. İsmail MERSİNKAYA								

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

Recommended or Required Reading	
1	SPECIAL DESIGN MACHINES(A.Altunsaçlı)

Week	Weekly Detailed Course Contents	
1	Theoretical	Building up and operation of special motors -1
	Laboratory	Building up and operation of special motors -1
2	Theoretical	Building up and operation of special motors -1
	Laboratory	Building up and operation of special motors -1
3	Theoretical	Building up and operation of special motors -1
	Practice	Building up and operation of special motors -1
4	Theoretical	Building up and operation of special motors -1
	Practice	Building up and operation of special motors -1
5	Theoretical	Building up and operation of special motors -1
	Practice	Building up and operation of special motors -1
6	Theoretical	Building up and operation of special motors -1
	Laboratory	Building up and operation of special motors -1
7	Theoretical	Building up and operation of special motors -1
	Laboratory	Building up and operation of special motors -1
8	Theoretical	Building up and operation of special motors -1
	Practice	Building up and operation of special motors -1
9	Theoretical	Building up and operation of special motors -1
10	Theoretical	Building up and operation of special motors -2
11	Theoretical	Building up and operation of special motors -2
	Laboratory	Building up and operation of special motors -2
12	Theoretical	Building up and operation of special motors -2
	Laboratory	Building up and operation of special motors -2
13	Theoretical	Building up and operation of special motors -2
	Laboratory	Building up and operation of special motors -2
14	Theoretical	Building up and operation of special motors -2
	Laboratory	Building up and operation of special motors -2

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	Building up and operation of special motors -1
2	Building up and operation of special motors -2
3	Recognize special electric motors.
4	Knows the use of special electric motors.
5	Makes fault detection of special electric motors.

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 HYDRAULİC OR PNEUMATICSYSTEMS
8	DOING COMPUTER AIDED MECHANICAL DESİGN
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 CIRCUITSDESİGN
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.
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
P15	5	5	5	5	5