BASIC ELECTRIC									
1	Course Title:	BASIC E	LECTRIC						
2	Course Code:	MKNS223							
3	Type of Course:	Optional							
4	Level of Course:	Short Cy	/cle						
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Öğr.Gör. BÜLGAN TOMAÇ							
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.							
16	Contact information of the Course Coordinator:	btomac@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	With this course, students will be given basic competencies related to electrical circuits and electrical motor connections.							
19	Contribution of the Course to Professional Development:	Gains knowledge about electrical connections related to their fields.							
20	Learning Outcomes:								
		1	Understanding basic electrical concepts						
		2	Understanding the structure of simple electrical circuits and constructing simple electrical circuits						
		3	Understanding the working principle of electric motor						
		4	Knowing the types of electric motors, making their connections						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Introduction to the course								
2	 The structure of the atom (electro matter, element) Static electricity, dynamic electricity 	n flow, ty							

3	3. Types of electric current Direct (DC current, Alternating (AC) current	C)								
	4. Conductor, insulator, semiconductor	or								
4	 5. Methods of obtaining electric curre 6. Effects of electric current (Chemica magnetic field effect, heat and light effect) 	ent al effect,								
5	Electrical measurement units		Γ							
	2 Amps									
	3. Ohms 4. Watts									
6	Ohm's law									
7	Ohm's law									
8										
	electrical measuring instruments									
	2. Ammeter									
0	3. Ohmmeter									
5	4. Avometer									
	 Multimeter In-line ammeter 									
10	Electric circuits									
	 Electrical circuit elements Series circuit 									
Activit				Number	Duration (hour)	Total Work				
					· · · · · · · · · · · · · · · · · · ·	Load (hour)				
			+		0.00	<u></u>				
Theore				14	2.00	28.00				
Practic	als/Labs			0	0.00	0.00				
Se li2 stu	Wollagepteppiationectrical circuits			0	0.00	0.00				
Homew	vorks			0	60.00	60.00				
Field S	1. Definition and properties of magne	tic field		0	0.00	0.00				
Midterr				0	0.00	0.00				
Others				0	0.00	0.00				
Final E	tan Definition and properties of magne	tic field		0	0.00	0.00				
Total V	Vork Load			•		88.00				
Total w	vork load/ 30 hr		=			2.93				
ECTS	Interview Deferences and for Other Credit of the Course			at we Nietze of the Ine	Lu:	3.00				
23	Assesment									
TERM L	EARNING ACTIVITIES	NUMBE	WE	EIGHT						
Midterr	n Exam	R 1	40.00							
Quiz		0	0.00							
Home	work-project	0	0.00							
Final E	xam	0	60.00							
Total		2	100.00							
Contrib Succes	oution of Term (Year) Learning Activitiess Grade	es to	40.00							
Contrib	oution of Final Exam to Success Grade	Э	60.00							
Total			100.00							
			100.00							

Measurement and Evaluation Techniques Used in the	Measurement and evaluation is carried out according to
Course	the priciples of Bursa uludag University Associate and
	Undergraduate Education Regulation.

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	5	4	0	0	0	0	5	1	3	2	5	0	0	0	0
ÖK2	4	5	4	0	0	0	0	5	1	3	2	5	0	0	0	0
ÖK3	4	5	4	0	0	0	0	5	1	3	2	5	0	0	0	0
ÖK4	4	5	4	0	0	0	0	5	5	3	2	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			