	FUNDAMENTALS OF	ELEC	CTRICITY AND ELECTRONICS					
1	Course Title:	FUNDAN	MENTALS OF ELECTRICITY AND ELECTRONICS					
2	Course Code:	BSM2806						
3	Type of Course:	Compulsory						
4	Level of Course:	First Cycle						
5	Year of Study:	2						
6	Semester:	4						
7	ECTS Credits Allocated:	4.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	1.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Prof. Dr.	ALİ VARDAR					
15	Course Lecturers:	Doç. Dr.	ONUR TAŞKIN					
16	Contact information of the Course Coordinator:	Prof. Dr. Ali VARDAR e-posta: dravardar@uludag.edu.tr Telefon: 0 224 2941605 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA						
17	Website:							
18	Objective of the Course:	Used today in the field of agriculture and animal husbandry technologies in electricity, electronics and automation applications are given frequently. The aim of the course in this context, the basic information about electricity and electronics to teach basic skills to teach, and in this regard.						
19	Contribution of the Course to Professional Development:	The course contributes to the student's understanding of the infrastructure of agricultural electricity, electronics and automation.						
20	Learning Outcomes:							
		1	Understand the concepts and importance of electricity and electronics					
		2	Recognize basic electrical and electronic circuit elements and their features					
		3	Establish basic electrical and electronic circuits					
		4						
		5						
		6						
		7						
		8						
		9						
		10						
21	Course Content:							
10/	Th (' 1	Co	ourse Content:					
	Theoretical		Practice					
1	Introduction		Lectures on the analysis of expectations					
2	Electrical Principles Homework topics and information given							

3	Electrical Measurement units Problem solutions															
4							Pi	Problem solutions								
5							М	Measurement applications								
6	·						EI	Electrical circuit applications								
7							E	Electrical circuit applications								
8							EI	Electrical circuit applications								
9	, ,							E	ectrica	l circuit	applica	ations				
10	, ,							E	Examination of the electronic circuit components							
11								E	Examination of the electronic circuit components							
12								С	Circuit applications							
13	·						С	rcuit ap	plicati	ons						
14	General Review						С	rcuit ap	plicati	ons						
	Materials:							D. 2. is 3. is 4. T. 5. E.	1. Vardar A., 2018. Elektrik ve Elektroniğin Temelleri, BUÜ Ders Notları No: 114, Bursa. 2. Çelebi H.H., 1999. Elektrik Bilgisi, Yüce yayınları, İstanbul. 3. Özkan T., 1995. Temel Elektronik, Kayhan Matbaası, İstanbul. 4. Ufuktepe Y. Ve Bozdemir S., 1997. Elektromanyetik Teori, Baki Kitabevi, Adana. 5. Boylestad R. Ve Nashelsky L., 1994. Elektronik Elemanlar ve Devre Teorisi, Evren Ofset, Ankara. 6. Bal G., 2001. Doğru Akım Makinaları ve Sürücüleri, Number Duration (hour) Total Work Load (hour)							
TERMet	FARNIN	IG ACT	IVITIES	;		N	IUMBE	E W	МЕЮНТ 2.00			2.00	28.00			
Practica	Practicals/Labs							•	14			1.00			14.00	
Selfstu	dy and	prepera	ation			0)	0.	dθ			1.00		14.00		
Homew	Homeworks								1			25.00		25.00		
Frojects	Ram					1		60	0.00			0.00			0.00	
Field St	eld Studies								0			0.00	0.00		0.00	
Midtern	idterm exams ontribution of Term (Year) Learning Activities to						4	10.00			15.00			15.00		
Others								0.00			0.00					
Eightr	দিম্মাতাৰ of Final Exam to Success Grade						6	60100			20.00	20.00			20.00	
Total Work Load														131.00		
Total wo	ork load ement	/ 30 hr	aluatio	n Tecl	hniaue	s Use	d in th	e M	idterm	Exam	Practic	e Exam	and F	inal Ex	3.87 am	
ECTS C	Credit o	the Co	ourse						4.00							
24 ECTS / WORK LOAD TABLE																
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16
ÖK1	4	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK3	4	4	3	0	5	0	0	0	0	0	0	0	0	0	0	0
			 0 · i	Aarn	ing C) Dhior	tivo		PO- P	rogra	m O::	alifica	tions			
LO: Learning Objectives PQ: Program Qualifications																

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					