	FUNDAMENTALS OF	ELEC	CTRICITY AND ELECTRONICS					
1	Course Title:	FUNDAN	MENTALS OF ELECTRICITY AND ELECTRONICS					
2	Course Code:	BSM2806						
3	Type of Course:	Compuls	ory					
4	Level of Course:	First Cyc	le					
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:							
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:	_						
		Со	ourse Content:					
	Theoretical		Practice					
1	Introduction		Lectures on the analysis of expectations					
2	Electrical Principles		Homework topics and information given					

3 Ele	Electrical Measurement units Problem solutions															
4 Oh							Pro	Problem solutions								
5 Ele							Me	easure	ment a	pplicati	ons					
6 Ele	-						Ele	ectrical	circuit	applica	ations					
7 Ele							Ele	ectrical	circuit	applica	ations					
8 And	d Prin	ciples	of Ma	gnetis	sm			Ele	ectrical	circuit	applica	ations				
9 Re	peatin	g cou	rses a	nd mi	dterm (exam		Ele	ectrical	circuit	applica	ations				
10 Ele								Ex	amina	tion of	the elec	ctronic o	circuit (compon	ents	
11 Ele								Ex	amina	tion of	the elec	ctronic o	circuit (compon	ents	
12 Vai							Cir	rcuit ap	plication	ons						
13 Var	Various electronic circuitry						Cir	rcuit ap	plication	ons						
14 Ge	neral	Revie	W					Cir	rcuit ap	plication	ons					
							De 2. ist. 3. ist. 4. Te 5. Ele	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)								
TERMETER	RNING	ACTI	VITIES	;		N	IUMBE	WE	WĘIGHT			2.00	2.00		28.00	
Practicals/L	abs								14			1.00			14.00	
Self_study a	and pi	epera	ition			0		0.0	∂đ					28.00		
Homework	Homeworks						•	1			30.00		30.00			
Projects Final Exam	rojects inal Exam						60	60.00			0.00			0.00		
Field Studio	Field Studies						(0.00			0.00					
Midterm ex Contributio	Midterm exams Contribution of Term (Year) Learning Activities to						40	40.00			1.00			1.00		
Others							(0			0.00				0.00	
Eightle Kai k	ନ୍ନାମ Exam to Success Grade						60	60100			20.00	20.00			20.00	
Total Work Load														121.00		
Total work Measurem				n Tecl	hniaue	s Use	d in th	e Mi	dterm	Exam	Practic	e Exam	and F			
ECTS Cred														ľ	4.00	
24 ECTS / WORK LOAD TABLE																
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	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
									<u> </u>							
ÖK3	4	4	3	0	5	0	0	0	0	0	0	0	0	0	0	0

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