	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):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Doç.Dr. I	NAZMİ İZLİ						
15	Course Lecturers:	Yrd.Doç.Dr.Nazmi İZLİ							
16	Contact information of the Course Coordinator:	e-posta: dravardar@uludag.edu.tr Telefon: 0 224 2941605 Adres: 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:								
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:								
107	Course 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	Ohm's Law		Problem solutions							
5	Electrical measuring instruments		Measurement applications							
6	Electrical Circuits		Electrical circuit app							
7	Electrical Circuits		Electrical circuit ap							
8	And Principles of Magnetism		Electrical circuit ap	·						
9	Repeating courses and midterm exa		Electrical circuit ap	•						
10	Electronic circuit elements		<u> </u>	electronic circuit compo	nante					
11	Electronic circuit elements			· · · · · · · · · · · · · · · · · · ·						
			Examination of the electronic circuit components Circuit applications							
12	Various electronic circuitry		Circuit applications							
13	Various electronic circuitry		Circuit applications							
14	General Review		Circuit applications							
22	Textbooks, References and/or Other Materials:		1. Çelebi H.H., 1999. Elektrik Bilgisi, Yüce yayınları, stanbul. 2. Özkan T., 1995. Temel Elektronik, Kayhan Matbaası, stanbul. 3. Ufuktepe Y. Ve Bozdemir S., 1997. Elektromanyetik Teori, Baki Kitabevi, Adana. 4. Boylestad R. Ve Nashelsky L., 1994. Elektronik Elemanlar ve Devre Teorisi, Evren Ofset, Ankara. 5. Bal G., 2001. Doğru Akım Makinaları ve Sürücüleri, Seçkin Yayıncılık, Ankara.							
23 Assesment										
Activit	tes		Number	Duration (hour)	Total Work Load (hour)					
Ohunizore	tical	0	0 00	1.00	14.00					
Practic	als/Labs		14	2.00	28.00					
Sielas E.	kdymand preperation	1	60140	1.00	14.00					
Homew	vorks		1	25.00	25.00					
Econjerit	sution of Term (Year) Learning Activities	es to	40000	0.00	0.00					
Field S			0	0.00	0.00					
Mantella	wtickantsFinal Exam to Success Grad	е	6400	15.00	15.00					
Others			0	0.00	0.00					
Meast	rament and Evaluation Techniques U	sed in the	1	20.00	20.00					
	Vork Load				116.00					
Total w	OTKHOOD 30 HICK LOAD TABLE				3.87					
ECTS	Credit of the Course				4.00					
25	CONTRIBUTION		25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS							

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	3	3	0	0	3	0	0	3	3	3	0	3	0	0	0	0
ÖK2	4	4	0	0	3	0	0	4	3	4	4	4	0	0	0	0
ÖK3	4	4	0	3	4	0	0	4	3	4	4	4	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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