Α	GRICULTURAL TECHI	NOLO	GIES FOR ENERGY EFFICIENCY						
1	Course Title:	AGRICU	ILTURAL TECHNOLOGIES FOR ENERGY EFFICIENCY						
2	Course Code:	BSM453	34-S						
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	cle						
5	Year of Study:	4							
6	Semester:	8							
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:	Doç. Dr.	ONUR TAŞKIN						
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	e-posta : onurtaskin@uludag.edu.tr Telefon: 0 224 2941602 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA							
17	Website:								
18	Objective of the Course:	Purpose of the course is to give students basic informations about energy efficiency and its relations with agriculture.							
19	Contribution of the Course to Professional Development:	The students will provide professional development in determining the energy efficiency of a machine system or a facility.							
20	Learning Outcomes:								
		1	Understand importance of energy efficiency and energy saving						
		2	Understand relation between energy efficiency and agriculture						
		3	Utilize principles of energy efficiency to practical problems						
		4	Learn laws, regulations and standards about energy efficiency						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:	_							
144		Co	burse Content:						
	Theoretical		Practice						
1	Basic consepts about energy and en efficiency	iergy							
2	Energy management system								
3	Unit systems for evaluation of energy	у							

4	Energy e	respe	ct to illu	uminat	tion												
5	Energy e A/C facil		ncy at	coolin	g macł	hines a	and										
6	Energy e	heatin	ng														
7	Utilizing methods	ly and	l its ree	cyclinę)												
8	Energy ι	usage	at agr	icultur	al proc	ductior	۱										
9	Energy e	efficier	ncy at	agricu	iltural p	oroduc	tion										
10	Energy f	arming	g														
11	Efficient	usage	e of rer	newat	ole ene	rgy re	source	9									
12	Power fa	actor a	nd co	mpens	sation												
13	Essentia Turkey.	s to a	void en	nergy l	oss in												
14	Energy e standarc			s and													
22	Textboo Materials	ces an	id/or O	ther		Ta Ba 2. Ün 3. Es	 EVÇED, 2023. Enerji Verimliliği Eğitim Kitabı, Enerji ve Tabii Kaynaklar Bakanlığı Tanıtım, Eğİtİm ve Etüt Dairesi Başkanığı. Yavuzcan G., 1994. Enerji Teknolojisi, Ankara Üniversitesi Ziraat Fakültesi Yayın No: 1324, Ankara. Hepbaşlı A., 2010. Enerji Verimliliği ve Yönetim Sistemi, Esen Ofset Matbaacılık, İstanbul. Yaman Y., 2007. Enerji Tasarrufu ve Yenilenebilir Enerji 										
Activites									Numb	er	V	Dura	ation (· · ·	Total Work Load (hour)		
Theoret	tical	лоп	VIIILC	,		R		, 11	14			2.00	2.00			28.00	
Practica	als/Labs							()			0.00			0.00		
Seli zstu	dy and p	repera	ation			0		0.0	14			1.00			14.00		
Homew	vorks							()			0.00	0.00				
PiropeEta	sam					1		6α	00			0.00			0.00		
Field St	tudies							()			0.00			0.00		
Okialtterilor	u teoxía ronfsT	erm (`	Year)	Learn	ing Act	tivities	to	40	100			20.00)	:	20.00		
Others)			0.00			0.00		
Finatri e	utions of F	inal E	xam te	o Suc	cess G	rade		60	00			25.00)		25.00		
Total W	Total Work Load									87.00							
Metasurerkeoact/n20Evaluation Techniques Used in the									e effe	ct of the	e midte	rm exar	n on th	ne cours	290assir	ng	
ECTS Credit of the Course														;	3.00		
								60	%.					·			
24	ECTS	WO	RK L	OAD	TAB	LE											
25	5 CONTRIBUTION OF LEARNING OUTCO QUALIFICATION											S TO I	PROC	GRAM	ME		
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	3	4	3	3	4	3	0	4	3	3	0	4	3 0	0	0	0	
ÖK2	5	5	3	4	5	3	0	5	3	3	4	5	0	0	0	0	
ÖK3	5	5	3	4	5	3	0	5	3	3	4	5	0	0	0	0	
		1	1	I					I		1	1	i	1	1		

ÖK4	4	4	3	4	4	3	0	4	3	3	3	5	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	ution				2 low			3 Medium			4 High			5 Very High			