ENERGY USE IN AGRICULTURE										
1	Course Title:	ENERG'	GY USE IN AGRICULTURE							
2	Course Code:	BSM501	7							
3	Type of Course:	Optional								
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish	ish							
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr. ALİ VARDAR								
15	Course Lecturers:	Yok								
16	Contact information of the Course Coordinator:	e-posta : alibas@uludag.edu.tr Telefon: 0 224 2941601 Adres: Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA								
17	Website:									
18	Objective of the Course:	Some energy issues is given in more details in this course which is not given in Undergraduate education								
19	Contribution of the Course to Professional Development:	It contributes to the student's understanding of energy issues used in agriculture.								
20	Learning Outcomes:									
		1	To make students aware of the importance of energy for our country and for the world, to inform students about the importance of energy saving.							
		2	To teach what alternative energy means and how to make use of alternative energies.							
		3	To teach technologies which are used in the production of solar, wind and hydraulic energy?							
		4	To teach geothermal energy and the techniques to make use of this energy.							
		5	They should know the importance of energy. To teach energies which are produced from organic-rooted substances such as biomass,							
		6	To teach biogas and their production technologies.							
		7	To teach the production technologies and fuel use capabilities of organic-rooted energy substances such as biodiesel and alcohol, which could be an alternative to petrol fuel.							
		8	To teach Nuclear and hydrogen energy and their production technologies							
		9								
		10								
21	Course Content:									
	Course Content:									

Week	Theoretical		Practice					
1	The definition and classification of enstatistics of energy.	ergy and						
2	Solar energy and its technology							
3	Solar energy and its technology							
4	Wind energy and its technology							
5	Wind energy and its technology							
6	Hydraulic energy and technology							
7	Hydraulic energy and technology							
8	Biomass energy and technology							
9	Biomass energy and technology							
10	Geothermal energy and technology							
11	Nuclear energy and technology,							
12	Energy transformation in agricultural products,							
13	Optimization of energy production							
14	Efficiency of energy and energy savi	ngs.						
22	Textbooks, References and/or Other Materials:		-Prof. Dr. Kamil ALİBAŞ'ın ders notları 120 sayfa (yayınlanmamış) -Prof. Dr. Güngör YAVUZCAN 1994. Enerji Teknolojisi. A.Ü. Ziraat Fakültesi Yayını. Yayın No:1324, Ders kitabı:383 (117s)					
23	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midterr	n Exam	0	0.00					
Quiz		0	0.00					
Homew	vorks, Performances	0	0.00					
Final E	xam	1	100.00					
Total		1	100.00					
	oution of Term (Year) Learning Activitiess Grade	es to	0.00					
Contrib	oution of Final Exam to Success Grade)	100.00					
Total			100.00					
Measu Course	•	sed in the	The effect of the final exam on the course-passing grade is 100%.					
24	ECTS / WORK LOAD TABLE							

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	12	8.00	96.00
Homeworks, Performances	8	3.00	24.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	14.00	14.00
Total Work Load			176.00
Total work load/ 30 hr			5.87
ECTS Credit of the Course			6.00

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	2	2	2	4	1	1	5	2	2	2	4	0	0	0	0
ÖK2	3	2	2	2	4	1	1	5	2	2	2	4	0	0	0	0
ÖK3	3	2	2	3	4	1	1	5	2	2	2	4	0	0	0	0
ÖK4	4	2	2	2	4	1	1	5	2	2	2	4	0	0	0	0
ÖK5	4	2	1	2	4	1	1	5	2	2	2	4	0	0	0	0
ÖK6	4	4	3	3	4	1	1	5	3	3	2	4	0	0	0	0
ÖK7	4	4	3	3	4	1	1	5	3	3	2	4	0	0	0	0
ÖK8	4	4	3	3	4	1	1	5	3	3	2	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution 1 very low Level:			2	2 low	3 Medium			4 High			5 Very High					