	AGRICULTURAL A	PPLIC	CATIONS OF WIND ENERGY							
1	Course Title:	AGRICL	ILTURAL APPLICATIONS OF WIND ENERGY							
2	Course Code:	BSM601	9							
3	Type of Course:	Optional								
4	Level of Course:	Third Cy	rcle							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
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: 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:	The purpose of this course, the accumulation of information about wind energy from renewable energy sources to create one of the wind energy solutions to energy requirements of different applications and businesses, the information is to provide an effective opportunity to benefit.								
19	Contribution of the Course to Professional Development:		dent contributes to the knowledge of wind energy and iral applications.							
20	Learning Outcomes:									
		1	To understand the importance of the concept of energy							
		2	To analyze the characteristics of wind energy							
		3	To analyze the wind power can be obtained							
		4	The choice for the problem of wind turbines							
		5	To understand the mechanics and aerodynamics of wind issues							
		6	To develop energy projects to meet the needs of businesses							
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week			Practice							
1	Introduction		Lectures on the analysis of expectations							
2	The formation of the wind		Homework topics and information given							
3	Characteristics of the wind		Calculations with the characteristics of the wind							

4	Ability to make the wind work		Calculations relate	d to the ability to make the	he wind work						
5	Wind data analysis methods		Calculations related to the ability to make the wind work Wind data analysis								
6	Wind energy conversion		Analysis of wind energy conversions								
7	Structural parameters of wind energy	v	Analysis related to the structural parameters of wind power								
8	Wind energy plants	,	Investigation of wind power plants								
9	General Review		Investigation of wir	· · · · · · · · · · · · · · · · · · ·							
10	Wind turbine types and characteristic	CS	Investigation of wind power plants								
11	Mechanics and aerodynamics of win			Calculations related to the mechanics and aerodynamics							
12	Wind turbine site selection		Wind turbine site s	election analysis							
13	Methods for the solution to energy no businesses focused on wind energy	eeds of	Project examples	,							
14	General Review		Project examples								
22	Textbooks, References and/or Other Materials:	r	1. Crome H., 2000. Handbuch Windenergie Technik, ökobuch, Staufen bei Freiburg, Germany. 2. Ackermann T., 2009. Güç sistemlerinde Rüzgar, Wiley, Ankara. 3. Hanus B. Ve Stempel U.E., 2011. Das grosse Solarund Windenergie Werkbuch, Franzis Verlag GmbH, Poing, Germany.								
23	Assesment		•								
TERMI	LEARNING ACTIVITIES	NUMBE	WEIGHT								
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
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ÖK2	4	5	3	4	3	4	2	4	4	4	2	2	0	0	0	0
ÖK3	4	5	3	4	3	4	3	5	4	4	2	3	0	0	0	0
ÖK4	4	5	3	3	3	5	3	5	4	4	2	3	0	0	0	0

ÖK5	5	4	5	3	5	3	2	5	3	5	5	5	0	0	0	0
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