METEOROLOGY

1	Course Title:	METEOROLOGY	
2	Course Code:	BSM1501	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	1	
6	Semester:	1	
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:	Prof. Dr. KEMAL SULHİ GÜNDOĞDU	
15	Course Lecturers:	Prof.Dr. Kemal S. GÜNDOĞDU Doç. Dr. Ş. Tülin AKKAYA ASLAN Doç. Dr. Erkan YASLIOĞLU	
16	Contact information of the Course Coordinator:	e-posta : kemalg@uludag.edu.tr Telefon: 0 224 2941620 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampüsü, 16059, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	Students recognize the parameters of agricultural meteorology understand the relationships between parameters of agricultural and learn processing methods of meteorological values.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Can understand the importance of meteorology in agriculture
		2	Can determine the measurement techniques of meteorology
		3	Can explain the importance of meteorological elements in agriculture
		4	Can understand the direct and indirect effects of climatic parameters to agricultural
		5	Can take into consideration the effects of weather to provide of technical necessary conditions for crop and animal production
		6	Can explain processing and evaluation techniques of meteorological values
		7	Can explain relationships between meteorological parameters
		8	Can explain importance of meteorology in awake agricultural production
		9	
		10	
21	Course Content:		

	Course Content:	
Week	Theoretical	Practice
1	The aim of the course, what the lesson to be conducted, test method, the course in order to achieve the expected benefits will be explained that the students what their own responsibilities. what are the expectations of the students will be discussed. Introduction to Science of Meteorology,	
2	Composition of the atmosphere, Atmospheric layers	
3	Light, Heat Transfer (Head Exchange)	
4	Factors affecting the heating of the atmosphere and the heating of the atmosphere, measuring the temperature of air, soil heating and heat transfer	
5	Daily and Annual Variation of Temperature	
6	Identification of the air humidity, air humidity change, air humidity measurement	
7	Forms of evaporation, evaporation, measurement and calculation	
8	Repeating courses and midterm exam	
9	Cooling and condensation in the air, clouds	
10	Rainfall	
12	Low and High Pressure Centers, General Air Movement in the Atmosphere	
	speed, local wind types	
22	Textbooks, References and/or Other	1. Arıcı, i., Korukçu, A., 2006. Meteoroloji I, Uludağ Bursa 2. Aküzüm ve Ark., 1994. Meteoroloji Kitabı, Ankara 3. Smith, L.P .;, 1973. Methods in Agricultural Meteorology, Elsevier Scientific Publishing Company,
23	Assesment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	13	2.00	26.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	18.00	18.00
Others	0	0.00	0.00
Final Exams	1	18.00	18.00
Total Work Load			108.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

	NUMBER	WEIGHT
Midterm Exam	1	35.00
Quiz	1	5.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	1	4	5	2	2	1	3	1	1	1	0	0	0	0	0	0
ÖK2	1	4	5	2	2	1	3	1	1	1	0	0	0	0	0	0
ÖK3	1	4	5	2	2	1	3	1	1	1	0	0	0	0	0	0
ÖK4	1	4	5	4	3	1	4	1	1	1	0	0	0	0	0	0
ÖK5	3	5	5	3	1	1	4	1	1	1	0	0	0	0	0	0
ÖK6	1	4	5	2	2	1	3	1	1	1	0	0	0	0	0	0
ÖK7	1	4	5	2	2	1	3	1	1	1	0	0	0	0	0	0
ÖK8	5	5	5	3	1	1	4	1	1	1	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				