AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Agricultural Meteorology								
Course Code	ORT119		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	74 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is; to understand the interrelationships between meteorological events and agricultural practices.								
Course Content	Definition of meteorology and its relation with agriculture, meteorological elements and features of agricultural meteorological concepts, measurement and calculation and evaluation of meteorological event associations and meteorological elements with agricultural applications								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Case Study, Problem Solving								
Name of Lecturer(s)	Ins. Talih GÜRBÜZ								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Meteorology I, Adnan Menderes University, Faculty of Agriculture Publications No: 5, Aydın.
2	Meteorology I, Ankara University Publications. Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	The importance of meteorology, its development and the concept of agricultural meteorology
2	Theoretical	Weather and Climate
3	Theoretical	Structure and layers of atmosphere
4	Theoretical	solar energy
5	Theoretical	Temperature and thermal regime
6	Theoretical	Don phenomenon and methods of struggle
7	Theoretical	Air humidity and measurement
8	Intermediate Exam	Midterm
9	Theoretical	Rainfall concept and precipitation
10	Theoretical	Precipitation and precipitation measurement
11	Theoretical	Evaporation
12	Theoretical	Air pressure
13	Theoretical	Wind concept formation and measurement
14	Theoretical	Wind protection facilities
15	Theoretical	General evaluation
16	Final Exam	final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Midterm Examination	1	8	1	9
Final Examination	1	8	1	9
			Total Workload (Hours)	74
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding the effects of meteorology on agricultural applications

2	Explain weather and climate concepts
3	Know measurement principles of meteorological elements
4	Explain the effects of meteorological elements and factors on climate formation
5	Explain the effects of climate on agricultural practices

Programme Outcomes *(Organic Agriculture)*	
1	
2	
3	
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11	

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	3	3	3	3	3
P8	4	4	4	4	4