AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Climate Change						
Course Code	CSAG526		Couse Level		Second Cycle (Master's Degree)		
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to acquaint the students with information about weather, climate, climate element, climate factors, acquiring knowledge about meteorological events to increase quantity and quality of plant and animal production, meteorological events affecting agricultural activity negatively and precautions to be taken against these events						
Course Content	The effects of agricultural meteorology on the vegetation and animal production of climate elements, meteorological phenomena affecting agricultural production negatively, global climate change and its impact on agriculture and water resources, the effects of agricultural meteorology on the structure of the atmosphere, atmospheric pollution and damage to crop plants, weather, climate and climate elements .						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion, Case Study, Individual Study				
Name of Lecturer(s)	Assoc. Prof. Mehmet Metin DAM						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	1) Unprinted lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	The aim and importance of agricultural meteorology
2	Theoretical	General information about the atmosphere,
3	Theoretical	Meteorological observation stations
4	Theoretical	Solar radiation, Measurement of air and soil temperature, Expression forms
5	Theoretical	Measurement of air humidity and forms of humidity
6	Theoretical	Precipitation patterns and precipitation, Factors affecting precipitation
7	Theoretical	Air pressure and measurement, wind, wind measurement, wind protection facilities
8	Theoretical	Evaporation, measurement of evaporation
9	Intermediate Exam	Midterm
11	Theoretical	Effect of meteorological elements on agricultural production
12	Theoretical	Meteorological events affecting agricultural production negatively
13	Theoretical	Drought, drought indices, struggle against drought
14	Theoretical	Global climate change, impact on agriculture and water resources
15	Theoretical	Course Evaluation

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	18	2	20
Final Examination	1	25	2	27
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Ability to recognize air, climate and climate elements,

2	Understanding the effects of agricultural production atmospheric environment on quality and quantity
3	To be able to determine measurement techniques and expression forms of climate elements
4	Interpret measurement results
5	To be able to identify meteorological events affecting agricultural production in the negative and to choose the precautions that can be taken against these events

Programme Outcomes *(Environmental Health Interdisciplinary Master)*

1	To be able to have theoretical and practical updated information in the field of environmental health.
2	To be able to solve problems related to environmental health with scientific methods and evaluate them with a critical approach,
3	To have the ability to produce, execute and finalize new projects for scientific research,
4	To be able to have theoretical and practical knowledge about environmental health, historical development and economic dimension of environmental health,
5	To be able to have theoretical and practical knowledge about the deterioration effects of environment,

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	5	4	3	4	1
P2	5	4	3	4	2
P3	5	4	3	5	3
P4	5	4	3	2	4
P5	5	4	3	5	5