



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Climatology							
Course Code		ZTY528		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	200 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To teach fundamentals of climatology							
Course Content		Definition of climate, climate factors, elements of climate, main climatological regions on the earth, climate classes, climatic zones in Turkey, factors affecting the climate in Turkey, drought and drought indices, climate maps							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Prof. Ercan YEŞİLIRMAK							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Yurtseven, E. (1997) Climatology (İklim Bilgisi), Ankara Üniversitesi Ziraat Fakültesi Yayınları Yayın No:1485, Anlara
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Week	Weekly Detailed Course Contents	
1	Theoretical	Weather, climate, climate factor and climate elements
2	Theoretical	Structure and characteristics of atmosphere and its effects on earth
3	Theoretical	Layers of atmosphere: troposphere, stratosphere, thermosphere, exosphere
4	Theoretical	Elements of climate, temperature, factors affecting on variation of temperature on earth
5	Theoretical	Variability of temperature on earth and isotherm maps
6	Theoretical	Humidity and precipitation, factors affecting on variation of precipitation on earth
7	Theoretical	Types of precipitation
8	Intermediate Exam	Mid Term Exam
9	Theoretical	Air pressure and wind, types of wind
10	Theoretical	Drought and drought indices
11	Theoretical	Climate types in Turkey
12	Theoretical	Climate types on the earth and their classification
13	Theoretical	Hot climates
14	Theoretical	Subtropikal climates
15	Theoretical	Cold climates
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	5	2	98
Lecture - Practice	14	4	2	84
Midterm Examination	1	6	2	8
Final Examination	1	8	2	10
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Being familiar with climates on the earth
2	Being able to understand the factors affecting climate



3	Being able to understand drought and drought indices
4	To be able to understand the effect of climate on plants
5	To be familiar with climate change with its causes and consequences

Programme Outcomes (Agricultural Structures and Irrigation Master)

1	Ability to use, evaluate and improve the knowledge gained from field of study at an expert level
2	Ability to reach necessary the knowledge
3	To able to conduct scientific studies (research) related to the field
4	Ability to consider academical and ethical values the studies
5	Ability to improve editing method and evaluate the results of researches
6	The studies, the ability to reach result and application, develop new approaches
7	A topic in the field of written, verbally and visually as the ability to express
8	Effective use of Turkish language and ability to communicate in a foreign language both written and verbal

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	5	5	2	4
P2	4	5	4	5	5
P3	4	5	5	4	3
P4	5	4	5	2	2
P5	4	5	4	4	2
P6	4	3	5	3	4
P7	5	4	5	2	2
P8	3	3	3	2	1

