



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
FIELD CROPS
FIELD CROPS
FIELD CROPS MASTER
COURSE INFORMATION FORM

Course Title	Rangeland Ecology								
Course Code	ZTB532	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	7	Workload	175 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	For information on meadows and pastures, vegetation, climate, topography, soil, define relationships between pasture users and environmental factors								
Course Content	Assess the ecological functions of meadows and pastures, and their roles in ecosystem								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Altın, M., Gökkuş, A. ve Koç, A. 2011. Çayır ve Mera Yönetimi (I.cilt Genel İlkeler). Tarım ve Köyişleri Bakanlığı Yayınları. Ankara.
2	2. Heady, H.F. ve Child R.D. 1994. Rangeland Ecology and Management. Westview Press, USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of pasture pasture ecology and its relation with other disciplines
2	Theoretical	Energy flow and nutrient cycle in meadow pastures
3	Theoretical	Ecological factors
4	Theoretical	Effects of light and temperature on meadow pastures
5	Theoretical	Effects of water on meadow pastures
6	Theoretical	Chemical factors of meadow pasture vegetations effects
7	Theoretical	The effects of topographic and mechanical topographic factors on meadow pasture vegetation
8	Theoretical	Biotic factors in meadow pasture vegetations
9	Intermediate Exam	Midterm
10	Theoretical	Meadow and pasture vegetation
11	Theoretical	Flexibility of vegetation in meadow pastures
12	Theoretical	Development of primary and secondary vegetation
13	Theoretical	Development stages of vegetation
14	Theoretical	Stability in vegetation
15	Theoretical	The effects of deterioration of vegetation and grazing on meadow pasture vegetation
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	1	0	50	50
Project	1	0	50	50
Midterm Examination	1	0	13	13



Final Examination	1	0	20	20
			Total Workload (Hours)	175
			[Total Workload (Hours) / 25*] = ECTS	7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	
2	
3	
4	
5	

Programme Outcomes (Field Crops Master)

1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

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	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5

