



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Forage Crops							
Course Code		TR106		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		It is aimed the students to comprehend the importance of the meadows and pastures in the natural vegetation, the benefits, ecosystems and system components, and the importance of forage crops and cultivation methods and techniques.							
Course Content		Definition and history of the culture of forage crops, Ecological principles Classification of cool and warm season forage crops, gramineae and forage legumes growing techniques.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Agriculture forage Crops (M. S. Gençkan),
2	(Leguminosae Forage Crops, Gramineae Forage Crops (Prof Dr. Y.Serin, Doç Dr. M. Tan),
3	Gramineae Practice Guide (Prof. Dr. Y. Serin, Doç.Dr. A. Gökkuş).
4	Forage Crops (Prof Dr. H. Soya, Prof. Dr. R. Avcioglu, Araş. Gr. H. Geren).

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition and history of the culture of forage crops, Livestock forage crops, soil fertility and the time of planting (rotation) the importance of forage crops growing, Grouping forage crops.
2	Theoretical	By the length of survival of forage crops, According to the shape of sowing forage crops, Depending on whether the main product and by-product forage crops.
3	Theoretical	Forage crops grown in the basics of ecology, climate and water factors.
4	Theoretical	Forage crops grown in the basics of ecology, soil factor.
5	Theoretical	Meadows-pastures and forage crops grown in Turkey the status and relationship with the presence of the animal. In our country, animal, animal existence and efficiency of the total examination The economic value of forage legumes, culture, and vegetative properties.
6	Theoretical	Alfalfa is grown in a sort of common culture, harvest and herb obtained from the assessment, Maintenance procedures and harvesting alfalfa. Assessment of the product and its features.
7	Theoretical	Clover, and the importance of general characteristics of the genus. Clover meadow is an important type of morphology, Benefiting the types and characteristics of the product.
8	Preparation Work	Repetition of the topics covered, Exam preparation.
	Intermediate Exam	Mid-term exam.
9	Theoretical	White Clover, Clover Berseem and Persian patterns obtained with the use of grass species morphology and properties the product. Sainfoin and birdsfoot trefoil morphology, growing and harvesting processes and maintenance. Form of use and the properties of the product obtained from them.
10	Theoretical	General characteristics of the vetch genus. Hairy vetch Common Vetch and morphology, production, maintenance and assessment, and properties of the product obtained after harvest.
11	Theoretical	Hungarian Vetch, purple broad vetch and bitter vetch morphology, growing, maintenance, processes and assessment the product obtained after harvest and properties. General characteristics of graminea forage crops, General characteristics and feeding value of smooth brome.
12	Theoretical	The importance of graminea forage crops, Orchardgrass, ryegrass, Italian ryegrass, crested wheatgrass fescue,poa genus herbs, timothy , Foxtail grass, sorghum and Sudan grass.
13	Theoretical	Other family as the fodder beet forage crops, small burnet , forage rape general properties.
14	Theoretical	Forage crops cultivation techniques in accordance ecological.
15	Theoretical	General review.



16	Preparation Work	The repetition of all the issues, preparation for the exam.
	Final Exam	Final exam.

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Reading	17	0	1	17
Midterm Examination	1	7	1	8
Final Examination	1	7	1	8
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

**Learning Outcomes**

1	To be able to comprehend the definition and history of the culture of forage crops, The importance of forage crops in the agricultural structure, Varieties of forage crops cultivation.
2	To be able to comprehend the status of meadows-pastures and Forage crops grown in Turkey and relationship of this with the presence of the animal.
3	To be able to comprehend Morphological characteristics of forage legumes, and agricultural properties, types and benefits; Morphological characteristics of graminea forage crops, agricultural properties, types of forage crops in other families with the ecosystem components.
4	Knows the general features of vetch
5	Knows breeding techniques of forage plants according to ecological principles

**Programme Outcomes (Agricultural Management)**

1	To be able to comprehend the basic management, economy and agricultural management
2	To be able to acquire basic information in excessive, profitable and quality production of vegetable and animal products
3	To be able to manage production in factory, to prepare project and to keep business records
4	To be able to develop solutions in agricultural management
5	To be able to comprehend optimally preparation and marketing in agricultural foods process
6	To be able to follow professional developments and to acquire knowledge to use technological resources
7	To be able to reach the scientific data using computer and the internet
8	To be able to determine the problem about agricultural management, to analyze, to develop solutions and suggestions
9	To be able to comprehend Atatürk Principle and Revolution
10	To be able to take precautions about the problems related to first aid and occupational safety in the enterprise, to solve the problems
11	To be able to use Turkish well, to communicate orally and in writing, to have knowledge of professional ethics and responsibility

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

	L1	L2	L3
P1	4	4	4
P2		5	5
P3	4	4	4
P4		5	
P5			4
P6	4	5	5
P7		3	3
P8		3	4
P10			3

