SILAGE TECHNOLOGY										
1	Course Title:	SILAGE TECHNOLOGY								
2	Course Code:	ZOO4413-S								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
5	Year of Study:	4								
6	Semester:	7								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Prof. Dr. İsmail FİLYA								
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi Ziraat Fakültesi Zootekni Bölümü, Görükle Kampüsü 16059 Bursa/TÜRKİYE ifilya@uludag.edu.tr, 0 224 2941555								
17	Website:	http://bilgipaketi.uludag.edu.tr/Ders/Index/1168802								
18	Objective of the Course:	To provide students with practical knowledge and skills about silage fermentation, silage production, silage quality, use of silage in animal nutrition and national dissemination.								
19	Contribution of the Course to Professional Development:	Learn about the making and use of silage.								
20	Learning Outcomes:	comes:								
		1	Learns the basic principles of silage fermentation.							
		2	Learns about silo types used in silage construction and their effects on silage quality.							
		3	Gain information about the plants used in silage production and their chemical and microbiological properties.							
		4	Gains information about all stages of silage making such as harvesting, withering, shredding, enrichment with additives, transportation and filling, compaction and capping.							
		5	Learns about silage quality, factors affecting silage quality and physical, chemical and microbiological analyzes used to determine silage quality.							
		6	Learns about aerobic stability and hygiene in silages.							
		7	Gains information about the nutritional value of silages.							
		8	Gains information about the use of different silages in ruminant feeding.							
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical	Practice								
1	History of silage making, advantages silage, principles of silage making.	s of								

2	Types and properties of silos used in production.	silage								
3	Plants used in silage production and siloability properties of these plants.									
4	Chemical and microbiological propert plants used in silage production.	ties of								
5	Stages of silage making, harvesting t plants used in silage making.	he								
6	Withering and fragmentation of plants silage making.	s used in								
7	Additives used in silage fermentation properties and their effects on silage fermentation.	, their								
8	Transporting the plants to be siled from field to the silo and filling them into the									
9	Compressing the plants to be ensiled silos and closing the silos.	I in the								
10	Aerobic period, fermentation period, fermentation dynamics and stable pe dynamics in the silo.	riod								
11	Opening of maturing silage and quali silage.	ty of								
12	Aerobic stability in silages, the import and development of aerobic stability, hygiene.									
13	Nutritional values ??of various silage	s	T							
Activit	tes			Number	Duration (hour)	Total Work Load (hour)				
Theore	Fektbooks, References and/or Other		W	<mark>86</mark> lford, M.K. 1984. Th	e ଔage Fermenta	% 00 €				
Practic	als/Labs			0	0.00	0.00				
Self stu	dy and preperation	В	6chemistry of Silage.	2e60 nd Edition. Ch	0c0 0nbe					
Homev	vorks			0	0.00	0.00				
Project	\$		F	Ŋa, İ. 2006. Silaj: Yap	რ.0⊄eknolojisi ve ł	(0.J@0nimi.				
Field S	tudies			0	0.00	0.00				
Midterr	n exams		T	eknolojisi. Bursa Uluda	ğû00 versitesi Ziraa	1215a0k0ültesi				
Others				0	0.00	0.00				
	ASSesment			1	42.00	42.00				
Total V	Vork Load	ı D				90.00				
NA'-II	vork load/ 30 hr	R	L	• • • •		3.00				
ECTS Quiz	Credit of the Course	IU	П	(III)		3.00				
Home work-project 0				0.00						
' '				60.00						
				100.00						
Contrib	oution of Term (Year) Learning Activitiess Grade		_	40.00						
Contrib	oution of Final Exam to Success Grade)	6	60.00						
Total			┺	100.00						
Measu Course		sed in the		It is evaluated according to the our university's graduate education and training regulations.						
24	ECTS / WORK LOAD TABLE		- · · · · · · · · · · · · · · · · · · ·							

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	0	0	4	0	5	0	0	0	0	0	0	3	0	0	0
ÖK2	5	0	0	0	0	5	0	0	0	0	0	0	3	0	0	0
ÖK3	5	0	0	0	0	5	0	0	0	0	0	0	4	0	0	0
ÖK4	5	0	0	0	0	5	0	0	0	0	0	0	3	0	0	0
ÖK5	5	0	0	0	0	5	0	0	0	0	0	0	3	0	0	0
ÖK6	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK7	5	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK8	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	on				3 Medium			4 High			5 Very High					