FEED ADDITIVES											
1	Course Title:	FEED AD	DDITIVES								
2	Course Code:	ZTK6201									
3	Type of Course:	Optional									
4	Level of Course:	Third Cy	cle								
5	Year of Study:	1									
6	Semester:	1									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	İbrahim AK								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	Bursa Ul Görükle I ifilya@ul	udağ Üniversitesi Ziraat Fakültesi Zootekni Bölümü, Kampüsü 16059 Bursa/TÜRKİYE udag.edu.tr, 0 224 2941555								
17	Website:										
18	Objective of the Course:	To share additives	up-to-date information on mix feed production and used in silage production								
19	Contribution of the Course to Professional Development:	To have on anima	up-to-date information on feed additives and their effects al nutrition								
20	Learning Outcomes:										
		1	Recognizes feed additives								
		2	Understands the general properties of feed additives								
		3	Knows the effects of feed additives on animal health and productivity								
		4	Recognize feed additives in ruminant feeds								
		5	Recognizes feed additives added to poultry feeds								
		6	Discusses additives which used in silage and their effects of silage fermentation.								
		7									
		8									
		9									
		10									
21	Course Content:										
		Со	urse Content:								
vveek	Introduction description and reserved		Practice								
	characteristics of the feed additive										
2	Feed additives used in mixed feeds										
3	Enzymes										
4	Antioxidants										
5	Probiotics, prebiotics										

6	Antifur	nga	ls																
7	Rumen tampons																		
8	Pellet	bin	ders																
9	Coccidiostats																		
10	Sweeteners																		
11	Hormo	and	hormo	ne-lik	e comp	ound	s												
12	Antibio	otic	s																
13	Silage	ad	lditive	s															
14	Other	fee	d add	litives															
22	Textbooks, References and/or Other Materials:									<ol> <li>Ergül, M., 2005. Karma Yemler ve Karma Yem Teknolojisi, Ders kitabı, 3. Basım, Bornova-İzmir</li> <li>McEllhiney, R.R. (Editor), Feed Manufacturing Technology IV, 1994, 606 ppVan der Poel, A.F.B.,Vahl, J, Kwakkel, R.P., (Eds), 2001 Advances in Proceedings of the Nutritional Technology 1st World Feed Conference, Utrecht, November 7-8., 262 pp.</li> <li>Engelen, G.M.A., Van der Poel, A.F.B., 1999. Post- pelletingapplication of liquid additives, Wageningen Pers, Wageningen, The Netherlands, 1999., 96 pp. Elektronik ortama aktarılmış sunu.</li> <li>Woolford, M. K., 1984. The Silage Fermentation. Marcel Dekker, Inc., New York. NY.</li> </ol>									
23	Asses	me	nt						0		2001.		siaioioji						
Activit	tivites								I	Numb	ber		Dura	Duration (hour)			Total Work Load (hour)		
QNeizore	Øretical 0									19			3.00	3.00			42.00		
Practic	cticals/Labs									C			0.00	0.00			0.00		
<b>Biena</b> st	Ista Add Preperation 1 6									ე00			0.00	0.00			0.00		
Homew	neworks									4			30.00	30.00			120.00		
Ponjtrida	tribution of Term (Year) Learning Activities to									0000			0.00	0.00			0.00		
Field S	tudies								(	C			0.00	0.00			0.00		
Mantella	enniexams									0 <sub>0</sub> 00			0.00	0.00			0.00		
Others	ers									0			0.00			0.00			
Meas⊞	as Exament and Evaluation Techniques Used in the									1e mea	surem	ent and	e25109	tion of	2256013 made				
Total W	otal Work Load														187.00				
														6.23					
ECTS (	Credit c	of th	ne Co	urse												6.00			
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	PC	21	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ÖK2	4		0	3	2	4	0	0	0	0	0	0	0	0	0	0	0		
ÖK3	5		0	3	5	0	0	0	0	0	0	0	0	0	0	0	0		
ÖK4	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

ÖK5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			