

DAIRY CATTLE NUTRITION

1	Course Title:	DAIRY CATTLE NUTRITION
2	Course Code:	VHB6004
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
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 face
14	Course Coordinator:	Prof. Dr. İ.İSMET TÜRKMEN
15	Course Lecturers:	Prof. Dr. Hakan BİRİCİK Doç. Dr. Hıdır GENÇOĞLU
16	Contact information of the Course Coordinator:	turkmen@uludag.edu.tr, +902242941361, Uludağ Üniversitesi Veteriner Fakültesi Hayvan Besleme ve Beslenme Hastalıkları Anabilim Dalı, Görükle Kampüsü, Nilüfer-Bursa/Türkiye
17	Website:	http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php
18	Objective of the Course:	To gain the knowledge and skills about nutrient and energy requirements, how to prevent metabolic diseases, increase productivity, preparation of forage and concentrate feeds and rations for calves, replacement heifer, dry cows, and lactation cows
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learns the nutrient and energy requirements of calves, replacement heifer, dry cows, and lactation cows;
	2	Comprehends and recognize the forage and concentrate feed which used in calves, replacement heifer, dry cows, and lactation cows rations ;
	3	Learns to apply the methods of feeding for calves, replacement heifer, dry cows, and lactation cows;
	4	Learn to making rations according to their growth period and understands the effects of rations on animal health and performance in calves, replacement heifer, dry cows, and lactation cows;
	5	Have knowledge about rations to prevent metabolic diseases related the nutrition in calves, replacement heifer, dry cows, and lactation cows;
	6	Learns the effect of rations on milk production and composition in lactation dairy cow ;
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21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	Introduction to dairy cattle nutrition			
2	Energy and nutrient requirement of calves			
3	0-2 months old calf nutrition			
4	3-6 months old calf nutrition			
5	Nutrient and energy requirements of replacement heifer			
6	6-12 months old heifer nutrition			
7	12-21 months old heifer nutrition			
8	22-24 months old heifer nutrition			
9	Nutrient requirements of lactating and dry cows			
10	Transition cow nutrition			
Activites		Number	Duration (hour)	Total Work Load (hour)
12	Middle lactation cow nutrition	14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		14	5.00	70.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
22	Textbooks, References and/or Other	1	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		0	0.00	0.00
Others		0	0.00	0.00
Final Exams		1	54.00	54.00
Total Work Load				180.00
Total work load/ 30 hr				6.00
ECTS Credit of the Course				6.00
		Gülşeri, N. 50 Basımevi, Konya, 2005. 5. National Research Council. Nutrients Requirements of Dairy Cattle. 7th rev. ed. National Academy Press, Washington, DC, 2001. 6. Livestock Feeds and Feeding (Fifth Edition). Kellerns, R.O., Church, D.C. Prentice Hall, New Jersey, 2002. 7. Tables of Composition and Nutritional Value of Feed Materials. Ed. Sauvant, D., Perez, J.M., Tran, G. INRA Editions, Wageningen Academic Publishers, 2004. 8. Animal Feeds, Feeding And Nutrition and Ration Evaluation. Tisch, D. Thomson Learning, 2005.		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT	
Midterm Exam		0	0.00	
Quiz		0	0.00	
Home work-project		0	0.00	

Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade	0.00	
Contribution of Final Exam to Success Grade	100.00	
Total	100.00	
Measurement and Evaluation Techniques Used in the Course		
24	ECTS / WORK LOAD TABLE	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
ÖK2	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
ÖK3	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
ÖK4	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
ÖK5	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
ÖK6	5	3	5	3	5	5	4	3	2	3	3	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							