BEEF CATTLE NUTRITION

1	Course Title:	BEEF CATTLE NUTRITION
2	Course Code:	VHB 6008
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
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. İ.İSMET TÜRKMEN
15	Course Lecturers:	Doç. Dr. Hıdır GENÇOĞLU
16	Contact information of the Course Coordinator:	turkmen@uludag.udu.tr, +902242941361, Uludağ Üniversitesi Veteriner Fakültesi Hayvan Besleme ve Beslenme Hastalıkları Anabilim Dalı, Görükle Kampüsü, Nilüfer-Bursa/Türkiye
17	Website:	http://veteriner.uludag.edu.tr/bolumler/ZooHayBes/haybes.html
18	Objective of the Course:	To gain the knowledge and skills about nutrient and energy requirements, the methods applied nutrition, preparation of forage and concentrate feed, and rations of beef cattle.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learns the nutrient and energy requirements of beef cattle
	2	Comprehends and recognize the forage and concentrate feed which used in beef cattle rations
	3	Learns to apply the methods of feeding beef cattle
	4	Learn to making rations according to their growth period and understands the effects of rations on animal health and performance in beef cattle
	5	Have knowledge about rations to prevent metabolic diseases related the nutrition
	6	Learns the effect of rations and feeding methods on carcass in beef cattle
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to beef cattle nutrition	

2	Calculation methods of the nutrient and energy requirements for beef cattle	
3	Calculation methods of the nutrient and energy requirements for beef cattle	
4	Fattening methods	
5	Factors that are considered in the selection methods of fattening	
6	The considerations and application of the principles in related to extensive feeding method	
7	The considerations and application of the principles in related to extensive feeding method	
8	The considerations and application of the principles in related to semi intensive fattening method	
9	The considerations and application of the principles in related to semi intensive fattening method	
10	The considerations and application of the principles in related to intensive fattening method	
11	The considerations and application of the principles in related to intensive fattening method	
12	The considerations and application of the principles in related to intensive fattening method in the last fattening period	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	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	42.00	42.00
Total Work Load			126.00
Total work load/ 30 hr			4.20
ECTS Credit of the Course			4.00

22	Textbooks, References and/or Other Materials:	1. Nutrient Requirements of Beef Cattle. 7th Edition, 2000 2. Feeds and nutriton. Ensminger M.E, Oldfield J.E, Heinemann W.W, Ensminger Publishing Co. 3. Yemler, yem hijyeni ve teknolojisi (Düzeltilmiş 2. baskı). Ergun, A., Tuncer, D. S., Çolpan, İ., Yalçın,S., Yıldız, G., Küçükersan, K., Küçükersan, S. Sehu, A.; Pozitif Matbaacılık, Ankara, 2004. 4. Çiftlik Hayvanlarının Beslenmesinde Temel Prensipler. Ed.Yavuz, H.M., Hilal yayınevi, İstanbul, 2001. 3. Hayvan Besleme ve Beslenme Hastalıkları (Geliştirilmiş 2. baskı). Ed. Ergün, A., Tuncer, Ş.D.; Pozitif Matbaacılık, Ankara, 2004. 5. Çiftlik Hayvanlarında Beslenme Hastalıkları. Umucalılar, H.D., Gülşen, N. SÜ Basımevi, Konya, 2005. 6. National Research Council. Nutrients Requir ements of Dairy Cattle. 7th rev. ed. National Academy Press, Washington, DC, 2001. 7. Livestock Feeds and Feeding (Fifth Edition). Kellerns, R.O., Church, D.C. Prentice Hall, New Jersey, 2002. 8. Tables of Composition and Nutritional Value of Feed Materials. Ed. Sauvant, D., Perez, J.M., Tran, G. INRA Editions, Wageningen Academic Publishers, 2004. 9. Animal Feeds, Feeding And Nutrition and Ration Evaluation. Tisch, D. Thomson Learning, 2005.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**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	3	3	3	5	5	3	2	3	5	3	0	0	0	0
ÖK2	5	5	5	4	5	5	5	5	3	4	5	5	0	0	0	0
ÖK3	5	5	5	4	5	5	5	5	3	4	5	5	0	0	0	0
ÖK4	5	5	5	4	5	5	5	5	3	4	5	5	0	0	0	0

ÖK5	5	5	4	4	5	5	3	5	3	4	4	5	0	0	0	0
ÖK6	5	5	4	4	5	5	3	5	3	4	4	5	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**