

ANIMAL NUTRITION AND NUTRITIONAL DISEASES III

1	Course Title:	ANIMAL NUTRITION AND NUTRITIONAL DISEASES III	
2	Course Code:	VET5229	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	5	
6	Semester:	9	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	1.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	VET2020 Feed Science and Animal Nutrition	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. GÜLAY DENİZ	
15	Course Lecturers:	Doç. Dr. Ş. Şule CENGİZ	
16	Contact information of the Course Coordinator:	denizg@uludag.edu.tr, +902242941246, 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:	<p>To teach;</p> <ul style="list-style-type: none"> -The medical treatment is not the only way to cure nutritional diseases but diet is also important, and nutritional diseases can be cured by the correct dietary management -Dietary management in nutritional diseases (causing disorders on nutrition, absorption or metabolic disorders) -The specific nutrients to prevent nutritional diseases in cats and dogs -Diet types which are used in nutritional diseases -Commercial and home made diets which are used in clinical nutrition -Specific feedstuffs and diets for rodents and exotic animals 	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Comprehends the medical treatment is not the only way to cure nutritional diseases and also diet is important
		2	Comprehends the dietary management in nutritional diseases (causing disorders on nutrition, absorption or metabolic disorders)
		3	Learns the specific nutrients to prevent nutritional diseases in cats and dogs
		4	Comprehends the diet types used in nutritional diseases
		5	Gets information about diets used in clinical nutrition
		6	Gets information about specific feedstuffs and diets for rodents and exotic animals
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21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	
1	Importance of clinical dietary regimes related to anorexia and dysphagia in cats and dogs	Practice on diets in anorexia and dysphagia in cats and dogs	
2	Dietary regimes related to gastrointestinal diseases (gastritis, vomiting, gastric dilatation, diarrhea, constipation)	Practice on diets in gastrointestinal diseases in cats and dogs	
3	Dietary regimes related to gastrointestinal diseases in cats and dogs (colitis, gas formation, scatophagia)	Practice on diets in gastrointestinal diseases in cats and dogs	
4	Dietary regimes related to liver and pancreatic diseases (diabetes mellitus and diabetes insipidus) in cats and dogs	Practice on diets in liver and pancreatic diseases in cats and dogs	
5	Dietary regimes related to endocrine disorders	Practice on diets in endocrine disorders in cats and dogs	
6	Dietary regimes related to chronic- acute heart diseases and renal failure in cats and dogs	Practice on diets in cardiac and renal failure in cats and dogs	
7	Dietary regimes related to feline lower urinary tract and urolithiasis in dogs	Practice on diets in urolithiasis in cats and dogs	
8	Dietary regimes related to protect from obesity and in obesity in cats and dogs	Practice on diets in obesity in cats and dogs	
9	Dietary regimes related to food allergy and skin-hair diseases	Practice on diets for the skin-hair health and food allergy in dogs and cats	
Activites		Number	Duration (hour)
			Total Work Load (hour)
Theoretical	amount in blood	14	1.00
11	Dietary regimes related to eclampsia in cats	Practice on diets in eclampsia and neuromuscular	
Practicals/Labs		14	1.00
Self study and preparation	magnesium, selenium, Vitamin E, thiamine, riboflavin, niacin and mineral deficiency	14	1.00
Homeworks		0	0.00
Projects	management in rodents and rabbits	0	0.00
Field Studies		0	0.00
Midterm exams		1	8.00
14	Commercial foodstuffs and dietary	Dietary practices for cage birds	
Others		0	0.00
Final Exams		1	10.00
Total Work Load			68.00
Total work load/ 30 hr			2.00
ECTS Credit of the Course			2.00

22	Textbooks, References and/or Other Materials:	<p>1. NRC: Nutrient Requirements for Dogs, National Academy of Sciences Washington: National Academy Press,1985.</p> <p>2. NRC: Nutrient Requirements for Cats, National Academy of Sciences Washington: National Academy Press, 1986.</p> <p>3. Clinical Nutrition of the Dog and Cat, Simpson, J.W., Anderson, R.S., Markwell, P.J., Blackwell Scientific Publ., Oxford,1993.</p> <p>4. Canine and Feline Nutrition, Case L.P., Carey D.P., Hirakawa D.A., Daristotle L., USA, 2000.</p> <p>5. Köpek ve Kedi İç Hastalıkları, Reprodüksüyon, Beslenme, Bakım ve Eğitim, Ayтуğ N., Yavuz H.M., Soylu M., Bursa, 1997.</p> <p>6. Köpek ve Kedi Besleme, Beslenme Hastalıkları ve Klinik Besleme, Ergün A., Muğlalı H., Ankara, 1998.</p> <p>7. The Welfare of Laboratory Animals, Eila Kalisle (Ed.), Kluwer Acad. Publ., Dodrecht, The NL, 2007.</p> <p>8. Nutrition of the Rabbit, 2nd Edition, Carlos de Blas (Ed.), Julian Wiseman, 2010.</p> <p>9. Exotic Animal Care and Management, 1st Edition, Vicki Judah, Kathy Nutall, 2009</p>
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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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	2	1	3	3	3	1	1	2	2	5	1	0	0	0	0
ÖK2	5	2	1	4	3	3	1	1	2	2	5	1	0	0	0	0
ÖK3	5	2	1	3	3	3	1	1	2	2	5	1	0	0	0	0
ÖK4	5	3	1	5	3	3	1	1	2	2	5	1	0	0	0	0

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