

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 GEZEN	
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 commercial and home made 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 preparing home made diets and commercial diets in anorexia and dysphagia in cats and dogs	
2	Dietary regimes related to gastrointestinal diseases (gastritis, vomiting, gastric dilatation, diarrhea, constipation)	Practice on preparing home made diets and commercial 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 preparing home made diets and commercial 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 preparing home made diets and commercial diets in liver and pancreatic diseases in cats and dogs	
5	Dietary regimes related to endocrine disorders	Practice on preparing home made diets and commercial 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 preparing home made diets and commercial 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 preparing home made diets and commercial diets in urolithiasis in cats and dogs	
8	Dietary regimes related to protect from obesity and in obesity in cats and dogs	Practice on preparing home made diets and commercial diets in obesity in cats and dogs	
9	Dietary regimes related to food allergy and skin-hair diseases	Practice of preparing home made diets and commercial diets for the skin-hair health and food allergy in dogs and cats	
10	Dietary regimes related to dental and skeleton system diseases related to calcium, phosphorus, selenium, vitamin D and Vitamin A deficiencies or when they are in excess amount in blood	Practice on preparing home made diets and commercial diets in dental and skeletal system diseases in cats and dogs	
11	Dietary regimes related to eclampsia in cats and dogs and myoneural diseases caused by magnesium, selenyum, Vitamin E, thiamine, riboflavin, niacin and mineral deficiency	Practice on preparing home made diets and commercial diets in eclampsia and neuromuscular diseases in cats and dogs	
12	Commercial foodstuffs and dietary management in rodents and rabbits	Practice on diet preparation for rodents, tropical fish and cage birds	
13	Commercial foodstuffs and dietary management in fishes and turtles	Dietary practices for water turtles and ornamental fish	
14	Commercial foodstuffs and dietary management in cage birds	Dietary practices for cage birds	

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>	
23	Assesment		
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT
Midterm Exam		1	40.00
Quiz		1	10.00
Home work-project		0	0.00
Final Exam		1	50.00
Total		3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00	
Contribution of Final Exam to Success Grade		50.00	
Total		100.00	
Measurement and Evaluation Techniques Used in the Course			
24	ECTS / WORK LOAD TABLE		

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	1.00	14.00
Self study and preperation	14	1.00	14.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	8.00	8.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			60.00
Total work load/ 30 hr			2.00
ECTS Credit of the Course			2.00

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							