

DISEASES OF ENDOCRINE SYSTEM OF SMALL ANIMALS

1	Course Title:	DISEASES OF ENDOCRINE SYSTEM OF SMALL ANIMALS	
2	Course Code:	VIH 6021	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
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:	Doç. Dr. HÜSEYİN CİHAN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	hcihan@uludag.edu.tr +90-224-2940813 Uludağ Üniversitesi Veteriner Fakültesi Hayvan Hastanesi, İç Hastalıkları Anabilim Dalı, Görükle Kampüsü, 16059, Görükle/BURSA	
17	Website:	http://veteriner.uludag.edu.tr	
18	Objective of the Course:	To teach ethiology, clinical symptoms, diagnostic and treatment choices of cat and dogs with endocrinal problems.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Parts of endocrine system
		2	Endocrine system hormones and their functions.
		3	Ethiology of endocrine system diseases
		4	Investigations of endocrinal diseases in light of clinical symptoms.
		5	Gaining general treatment principles
		6	Learning to diagnose and treat growth hormone dependent diseases
		7	Parathyroid, thyroid and adrenal gland diseases
		8	Endocrine pancreatic diseases.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Basics of the endocrinal systems		
2	Evaluation of the function of hormones secreted from pituitary gland and other gland in the body		

3	Differential diagnosis based on clinical signs in endocrinal diseases	
4	General diagnosis and therapeutic principles in the endocrinal systems disease	
5	Growth hormone disorders: differential diagnosis of dwarfism, acromegaly and pituitary dwarfism	
6	Paratyroid gland disorders: differential diagnosis of hypercalcemia, hyperparathyroidism	
7	Paratyroid gland disorders: differential diagnosis of the hypocalcemia, hipoparathyroidism	
8	Thyroid gland disorders: hypothyroidism, diagnosis and treatment	
9	Thyroid gland disorders: hyperthyroidism, diagnosis and treatment	
10	Adrenal gland disorders: pathophysiology of the hyperadrenocorticism, clinical signs, diagnosis and treatment	
11	Adrenal gland disorders: addison disease ve pheochromocytoma	
12	Endocrinal pancreatic disorders: evaluation of the diagnosis and differential diagnosis in diabetes mellitus	
13	Endocrinal pancreatic disorders: therapeutic principles in diabetes mellitus	
14	Endocrinal pancreatic disorders: evaluation of endocrinal and non-endocrinal causes of hypoglisemia.	

22	Textbooks, References and/or Other Materials:	<p>1. Willard, M. E., Tvedten, H., Turnwald, G. H., 1994: Small Animal Clinical Diagnosis by Laboratory Methods. W.B. Saunders Company, Philadelphia.</p> <p>2. Sherding, RG; Johnson, SE. In Birchard, SJ; Sherding, RG (eds.) Saunders Manual of Small Animal Practice. W.B. Saunders Co. Philadelphia, PA; 1994;704-9.</p> <p>3. Leib, MA; Matz, ME. In Ettinger, SJ; Feldman, EC (eds.) Textbook of Veterinary Internal Medicine. W.B. Saunders Co. Philadelphia, PA; 1241-48.</p>
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23	Assesment	
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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	
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	2.00	28.00
Homeworks	2	2.00	4.00
Projects	0	0.00	0.00
Field Studies	6	1.00	6.00
Midterm exams	0	1.00	0.00
Others	4	2.00	8.00
Final Exams	1	1.00	1.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
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	4	4	3	3	2	2	1	1	2	3	4	4	0	0	0	0
ÖK2	4	4	4	2	4	4	1	1	2	3	5	3	0	0	0	0
ÖK3	4	5	4	5	4	3	1	1	2	3	5	3	0	0	0	0
ÖK4	5	5	5	5	3	3	1	1	2	3	4	3	0	0	0	0
ÖK5	4	5	5	5	4	2	1	1	2	3	4	3	0	0	0	0
ÖK6	4	4	3	4	3	2	1	1	2	3	3	3	0	0	0	0
ÖK7	4	5	3	5	5	5	1	1	2	3	4	3	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				