

INTERNAL DISEASES OF SMALL ANIMALS II

1	Course Title:	INTERNAL DISEASES OF SMALL ANIMALS II
2	Course Code:	VET5211
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	5
6	Semester:	9
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	VET 3019IntroductiontoClinics, VET Small AnimalInternalMedicine I
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ZEKİ YILMAZ
15	Course Lecturers:	Doç Dr Ebru YALÇIN Yrd Doç Dr Hüseyin CİHAN
16	Contact information of the Course Coordinator:	zyilmaz@uludag.edu.tr +90 224 2940809 UludagUniversitesi, Veteriner Fakültesi, Hayvan Hastanesi, İç Hastalıkları A.D. Nilüfer 16059 Bursa
17	Website:	http://veteriner.uludag.edu.tr
18	Objective of the Course:	To give advanced information on the physiology, physiopathology, diagnosis and treatment of cardiologic, endocrinologic, dermatologic, immune-mediated, neurologic and oncologic diseases in small animals. Discussing about the developments and changes based on the actual literatures. Keeping student's participation level high to the course with presentations given by students
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learning cardiological, endocrinological, dermatological, immune-mediated, neurological and oncological diseases in advanced level.
	2	To diagnose the above diseases by analytical approach
	3	To decide for the appropriate medications and treatment methods
	4	To learn prophylactic precautions and solutions for diseases.
	5	To report and present clinical cases with their own approaches.
	6	Togettheabilitytofollowupcurrentliteratureandinvestigations.
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21	Course Content:	

Course Content:		
Week	Theoretical	Practice
1	Introduction of the course; Septic shock (Endotoxemia) and disseminated intravascular coagulation (DIC)	
2	EKG (Morphologic cardiologic diseases, influence of systemic diseases on EKG), Hypertension	
3	General approaches to Echocardiographic examination: standard imaging techniques (2-D, M-Mode, coloured Doppler including CW and PW imaging.	
4	Systolic and diastolic insufficiencies and their diagnosing and treatment, pulmonary oedema, thromboembolism, congenital heart defects	
5	Feline hypertrophic cardiomyopathy, pericardial and pleural effusion, ascites	
6	Pituitary gland and hypothalamus diseases, adrenal gland diseases; pancreatic endocrinal diseases, hypo-hyperthyroidism, hyper - hypoadrenocorticism, diabetes mellitus, hypoglycemia	
7	Special treatments for dermatologic diseases: antibacterial treatment, hyposensitization, immunmodulation, antihistaminics	
8	Diagnosing and treatment of immune-mediated diseases: Pemphigus complex, discoid lupus erythematosus, systemic lupus erythematosus, erythema multiforme, toxic epidermal necrolysis, vasculitis	
9	Interactive presentations of dermatology	
10	Muscle diseases: Myasthenia gravis, dermatomyositis, idiopathic myositis, protozoal myositis, metabolic myopathies	
11	Clinical and diagnostic approaches to small animals suffering seizures	
12	Primary epilepsy, canine granulomatous meningoencephalitis, feline ischemic encephalopathy, feline spongiform encephalopathy	
13	Diagnostic approach into dermatological diseases, pruritis in dogs and cats, alopecia in dogs and cats	
14	Lymphoma, systemic mast cell diseases, bone marrow diseases, renal disease anemia, blood transfusion treatment	

22	Textbooks, References and/or Other Materials:	<p>1. Köpek ve Kedilerin İç Hastalıkları, Klinik El Kitabı. Nilüfer AYTUĞ, Özsan Matbaacılık, Bursa, 2011.</p> <p>2. Köpek ve Kedilerde Elektrokardiyografi, Yılmaz Z, Kocatürk M, Özsan Matbaacılık, Bursa 2010</p> <p>3. Köpekvekedilerdepratikielektrokardiyografi&kalphastalıkları . Yılmaz Z, U.Ü. Basım Evi, 2005.</p> <p>4. KöpekveKedilerinİçHastalıkları, Reprodüksiyon, BeslemeBakımveEğitimi. Aytuğ N., Yavuz H.M., Soylu K., Bursa, 1997.</p> <p>5. Small Animal Clinical Diagnosis by Laboratory Methods. Tbedten W., 4th Edit., Saunders, Elsevier, 2004.</p> <p>6. Clinical Medicine of the Dog and Cat. Schaer M., Manson Publishing, London, 2003.</p> <p>7. Small Animal Internal Medicine. 3rd Ed., Nelson R.W., Couto C.G., Mosby Co., Missouri, 2003</p> <p>8. Handbook Of Small Animal Practice, Morgan R. V., Bright R. M., Swartout M. S., 4th Edit., Elsevier Science, Pennsylvania, 2003</p> <p>9. Common Small Animal Diagnosis, W. B. Saunders Company, Philadelphia, 2002</p> <p>10. Laboratory Profiles of Small Animal Diseases, Sodikoff C. H., 3rd Edit., Mosby Inc, Missouri, 2001</p> <p>11. Textbook of Veterinary Internal medicine. Ettinger S.J., Feldman E.C., 5th edit., WB Saunders Comp., Philadelphia, 2000</p> <p>12. Veterinary Drug Hanbook (Pocket Ed.). Plumb DC., 3rd Edit., Iowa State University Press, USA, 1999.</p> <p>13. Atlas of Veterinary Hematology. Blood and Bone Marrow of Domestic Animals. Harvey JW., W.B. Saunders Comp., Philadelphia, USA, 2001</p> <p>14. Small Animal Clinical Oncology. Withrow SJ, MacEwen EG., 3rd Edit., W.B. Saunders Comp., Philadelphia, 2001.</p>
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT
Midterm Exam	1	40.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	50.00
Total	10	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
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	3	2.00	6.00
Projects	0	0.00	0.00
Field Studies	5	4.00	20.00
Midterm exams	1	2.00	2.00
Others	2	3.00	6.00
Final Exams	1	2.00	2.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

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	3	3	4	2	1	1	2	2	1	1	2	3	0	0	0	0
ÖK2	3	4	5	5	2	1	1	3	3	4	5	1	0	0	0	0
ÖK3	3	4	4	1	1	1	1	3	2	3	3	2	0	0	0	0
ÖK4	2	3	3	4	5	3	1	3	1	2	3	2	0	0	0	0
ÖK5	1	1	2	2	2	1	1	1	1	5	4	3	0	0	0	0
ÖK6	2	4	2	3	1	1	1	2	3	5	5	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			