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 3019 Introduction to Clinics
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ZEKİ YILMAZ
15	Course Lecturers:	Prof.Dr. Zeki YILMAZ Doç. Dr. Ebru YALÇIN Yrd. Doç. Dr. Hüseyin CİHAN
16	Contact information of the Course Coordinator:	yalcine@uludag.edu.tr +90 224 2940811 Uludag Universitesi, Veteriner Fakültesi, Hayvan Hastanesi, İç Hastalıkları A.D. Nilüfer 16059 Bursa
17	Website:	http://veteriner.uludag.edu.tr
18	Objective of the Course:	The objective of this course is to educate the diagnosis of the important disease in small animal practice, treatment and prophylactic approaches of the diseases, and good communication with owners, colleagues and authorities and also to teach listening properly and to update their knowledge and skills.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To diagnose important digestive, respiratory, circulatory, urinary dermatological, neurological and endocrinal diseases in small animal practice
	2	To diagnose the above diseases by analytical approach.
	3	To decide for the appropriate medications, treatment methods
	4	To learn to create good communication with patient owners.
	5	To take necessary measurements to prevent infectious diseases
	6	To update knowledge
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21	Course Content:	
	Course Content:	

Week	Theoretical	Practice
1	Introduction of the course; Hematology: Sampling, storage and transfer; interpretation of routine hemogram (complete blood cell count) in clinical setting; spurious results in leukogram, erythrogram and thrombogram; and anemia –definition and classification	
2	Changes in platelet count and function, interpretation of mean platelet volume (MPV), plateletcrit (PCT) and platelet size distribution width (PDW) in clinical setting. Thrombocytopenia, immun mediated anemia and thrombocytopenia, ehrlichiosis, babesiosis, heamobartenellosis, bleeding disorders (hemostasis abnormalities); shock – definition, diagnosis, and treatment	
3	General approaches to respiratory system diseases (case studies - based on the clinical presentation, laboratory findings, imaging techniques, diagnosis and differential diagnosis, and treatment), upper and lower respiratory system disease (nasal cavity, larynx, trachea, pneumonia, bronchopneumonia)	
4	General approaches to cardiac diseases; practical electrocardiography, arrhythmias (supraventricular and ventricular) - diagnostic and therapeutic approaches; cardiomyopathy, right and left heart failure, dirofilariosis, ascites	
5	Introduction of Gastroenterology : Stomatitis, pharengitis, dysphagia, diseases of oesophagus	
6	Gastroenterology I: Vomiting, gastritis, GDVD, gastric hypomotility, Gastrointestinal ulcer, acute and chronic diarrhea, Lymphocytic plasmacytic enteritis-colitis, protein losing enteropathy, intestinal obstruction, constipation	
7	Gastroenterology II: Acute and chronic diarrhea, Lymphocytic plasmacytic enteritis-colitis, protein losing enteropathy, intestinal obstruction, constipation	
8	Liver diseases . Clinical findings, diagnose and treatment principles, chronic hepatitis in dogs, portosystemic shunt, acute toxic hepatopaties, neoplasias, hepatoencephalopathy; feline hepatic lipidosis, inflammatory hepatobiliar diseases, neoplasias, portosystemic shunt, acute toxic hepatopathy.	
9	Pancreas: Clinical findings, diagnose and treatment principles, dogs; acute pancreatitis , chronic pancreatitis, exocrine pancreatic insufficiency, neoplasias.	
10	Common infectious diseases (canine parvoviral enteritis, feline parvoviral enteritis distemper, infectious hepatitis, canine coronaviral enteritis, Feline infectious peritonitis, FeLV, FIV)	

11	Urinary system – physiopathology and diagnostic approaches based on the clinical and laboratory findings, Uremia, acute renal failure (ARF), chronic renal failure (CRF), cystitis, feline urologic syndrome (FUS), urolithiasis	
12	General approach to neurological diseases : Rabies, distemper, Pb toxicity, toxoplasmosis	
13	Diagnostic approach into dermatological diseases, pruritis in dogs and cats, alopecia in dogs and cats	
14	General treatment principals in dermatology : Topical treatment, systemic treatment	

22	Textbooks, References and/or Other Materials:	1. Köpek ve Kedilerin İç Hastalıkları, Klinik El Kitabı. Nilüfer AYTUĞ, Özsan Matbaacılık, Bursa, 2011. 2. Köpek ve kedilerde elektrokardiyografi, Yılmaz Z, Kocatürk M, ÖzsamMatbaacılık, Bursa, 2010. 3. Köpek ve kedilerde pratik elektrokardiyografi& kalphastalıkları. Yılmaz Z, U.Ü. Basım Evi, 2005. 4. Köpek ve Kedilerin İç Hastalıkları, Reprodüksiyon, Besleme Bakım ve Eğitimi. Aytuğ N., Yavuz H.M., Soylu K., Bursa, 1997. 5. Small Animal Clinical Diagnosis by Laboratory Methods. Tbedten W., 4th Edit., Sounders, Elsevier, 2004. 6. Clinical Medicine of the Dog and Cat. Schaer M., Manson Publishing, London, 2003. 7. Small Animal Internal Medicine. 3rd Ed., Nelson R.W., Couto C.G., Mosby Co., Missouri, 2003 8. Handbook Of Small Animal Practice, Morgan R. V., Bright R. M., Swartout M. S., 4th Edit., Elsevier Science,Pennsylvania, 2003 9. Common Small Animal Diagnosis, W. B. Saunders Company, Philadelphia, 2002 10. Laboratory Profiles of Small Animal Diseases, Sodikoff C. H., 3rd Edit., Mosby Inc, Missouri, 2001 11. Textbook of Veterinary Internal medicine. Ettinger S.J., Feldman E.C., 5th edit., WB Saunders Comp., Philadelphia, 2000 12. Veterinary Drug Hanbook (Pocket Ed.). Plumb DC., 3rd Edit., Iowa State University Press, USA, 1999.
23	Assesment	

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**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	4.00	56.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	3	1.00	3.00
Homeworks	4	2.00	8.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	5	4.00	20.00
Final Exams	1	2.00	2.00
Total Work Load			91.00
Total work load/ 30 hr			3.00
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	2	5	5	4	2	2	2	2	2	2	2	0	0	0	0
ÖK2	2	3	5	5	3	2	1	2	3	3	3	1	0	0	0	0
ÖK3	2	3	4	5	5	3	2	3	2	2	1	1	0	0	0	0
ÖK4	1	2	2	2	4	2	1	2	3	2	3	3	0	0	0	0
ÖK5	2	3	3	4	5	4	2	1	3	2	2	3	0	0	0	0
ÖK6	2	3	4	4	2	2	2	1	2	3	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