INTERNAL DISEASES OF EXOTIC ANIMALS

1	Course Title:	INTERNAL DISEASES OF EXOTIC ANIMALS	
2	Course Code:	VET4518	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	2.00	
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:	The aim of this course is specifically designed to acquaint the student with the most common exotic pets, their husbandry, restraint, sampling, examination and treatment techniques	
19	Contribution of the Course to Professional Development:	Teaches the etiology, diagnosis, treatment and prophylaxis of internal diseases of exotic animals.	
20	Learning Outcomes:		
		1	To be able to approach birds, reptiles and rodents and can handle them in an appropriate way
		2	To be able to associate management and feeding with clinical signs in exotic species
		3	To be able to learn and interpret the important diseases of exotic birds, reptile and rodents
		4	To be able to diagnose the indicated diseases with their analyzing ability
		5	To be able to apply diagnosis and treatment efficiently
		6	To be able to use the right medications for the treatments
		7	To be able to get prophylactic approaches to avoid from the diseases and manage the care and feeding of the exotic animals
		8	
		9	
		10	
21	Course Content:		
	Course Content:		
Week	Theoretical		Practice

1	Definition of exotic pet, handling,sample collection technicques, clinical and laboratory technicques. .	Physical and chemical restraint of exotic birds, clinical and diagnostic techniques
2	Parrot and budgerigars: Digestive tract diseases; proventricular dilatation, salmonellosis, pseudotuberculosis, parasitism, avian tuberculosis.	Sample collection in exotic birds, fecal examination, crop swaps, haematological and biochemical examinations
3	Clinical approach to dyspneic birds, chlamydiosis, sinusitis, aspergillus inf. , diseases characterized by , abdominal enlargement fungal infections- aspergillosis, candidiasis	Medication techniques in exotic birds, therapeutic agents and their effects
4	Viral infections; paramyxovirus inf., pacheco's disease, psittacine beak and feather disease (PBFD)	Emergency techniques in exotic birds
5	Exotic birds: Skin diseases; feather picking, pruritus , feather defects, beak and nail problems	Basic and practical work on the most common non-infectious diseases recognize disease pathophysiology
6	Pigeons : Paramyxovirosis, adenovirus, herpesvirus and poxvirus inf, salmonellosis, e.coli septicemia, ornithosis, trichomoniasis., ascaridiasis, capillariasis, coccidiosis	Husbandry during hospitalisation in exotic birds, and hand feeding in exotic birds
7	Raptors : Non infectious diseases, bumblefoot, viral infections (herpesvirus, adenovirus, poxvirus), bacterial diseases (avian tb., chlamydiosis, salmonellosis) fungal diseases; candidiasis, aspergillosis	Physical and chemical restraint of reptiles, clinical and diagnostic techniques
8	Lizards and snakes :Anorexia, bacterial	Sample collection in reptiles, faecal examination, skin
9	Respiratory diseases: Pneumonias, rhinitis, blister disease, diseases causing vomitus and	Medication techniques in reptiles, therapeutic agents and their effects
10	Cholenians :Hypovitaminosis A, bacterial septicaemia, flagella inf., helminthiasis	Husbandry during hospitalisation in reptiles, and hand feeding
	anorexia following hibernation, pneumonias	
11	Rabbits, chinchillas, hamsters and	Physical and chemical restraint of rodents, clinical and
	systems diseases,Tyzzer's disease, bacterial enteritis, proliferatifileitis, campylobacteriosis,	
12	Myxsomatosis, papillomatosis , fibromatosis, lymphocyticchoriomeningitis in hamsters and	Sample collection in rodents, faecal examination, crop
	chinchillas, cytomegalovirus and adenovirus	
13	Endoparasitism, coccidiosis, demodicosis, mite, infestations, acariasis, pediculosis, protozoal inf.	Medication techniques in rodents, therapeutic agents and their effects
14	Dermatophytosis, maloclusion, hairballs, hypovitaminosis E , ketosis, hypovitaminozis C and heat stress	Husbandry during hospitalisation in rodents

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	1	1.00	1.00
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			3.00

22	Textbooks, References and/or Other Materials:	1.Exotic Animal Care and Management, Kathy Nuttall, Vicki Judah, CENGAGE Delmar Learning,2008 2.VeterinaryNursing of ExoticPets. Simon J.G. BraidVeterinaryHospital, Edinburgh, Scotland, 2003 3.ExoticAnimalFormulary. Second Ed.,Carpenter J. W. WB SaundersComp., Philadelphia, 2001 4.LaboratoryMedicine: AvianandExoticPets. Fudge A.M., WB SaundersComp., Philadelphia, 1999 5.BSAVA Manual of ExoticPets. Meredith A.,Redrobe S. BlackwellPubl. co., Iowa State Pres, 2001 6.ClinicalMedicine of Small MammalsandPrimates. 2nd Ed.,Harapkiewicz K, Medina L, Holmes D.D., Manson Publishing, Iowa, 1998
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	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		Written and test exams

24 ECTS / WORK LOAD TABLE

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

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**