DISEASES AND DIAGNOSIS METHODS OF AQUARIUM FISH

1	Course Title:	DISEASES AND DIAGNOSIS METHODS OF AQUARIUM FISH
2	Course Code:	VSH 6015
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
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:	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:	
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. .	
2	Parrot and budgerigars: Digestive tract diseases; proventricular dilatation, salmonellosis, pseudotuberculosis, parasitism, avian tuberculosis.	
3	Clinical approach to dyspneic birds, chlamydiosis, sinusitis, aspergillus inf. , diseases characterized by , abdominal enlargement fungal infections- aspergillosis, candidiasis	
4	Viral infections; paramyxovirus inf., pacheco's disease, psittacine beak and feather disease (PBFD)	
5	Exotic birds: Skin diseases; feather picking, pruritus , feather defects, beak and nail problems	
6	Pigeons : Paramyxovirosis, adenovirus, herpesvirus and poxvirus inf, salmonellosis, e.coli septicemia, ornithosis, trichomoniasis., ascaridiasis, capillariasis, coccidiosis	
7	Raptors : Non infectious diseases, bumblefoot, viral infections (herpesvirus, adenovirus, poxvirus), bacterial diseases (avian tb., chlamydiosis, salmonellosis) fungal diseases; candidiasis, aspergillosis	
8	Lizards and snakes :Anorexia, bacterial	
9	Respiratory diseases: Pneumonias, rhinitis, blister disease, diseases causing vomitus and	
10	Cholenians :Hypovitaminosis A, bacterial septicaemia, flagella inf., helminthiasis, anorexia following hibernation, pneumonias	
11	Rabbits, chinchillas, hamsters and guinea pigs: Digestive system diseases,Tyzzer's disease, bacterial enteritis, proliferatifileitis, campylobacteriosis, lymphocytichoriomeningitis in hamsters and chinchillas, cytomegalovirus and adenovirus	
12	Myxomatosis, papillomatosis , fibromatosis,	
13	Endoparasitism, coccidiosis, demodicosis, mite, infestations, acariasis, pediculosis, protozoal inf.	
14	Dermatophytosis, maloclusion, hairballs, hypovitaminosis E , ketosis, hypovitaminozis C and heat stress	

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			91.00
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		

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**