

INTERNAL DISEASES OF LARGE ANIMALS II

1	Course Title:	INTERNAL DISEASES OF LARGE ANIMALS II	
2	Course Code:	VET4008	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	VET 3019 Introduction to Clinic	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Engin Kennerman	
15	Course Lecturers:	Prof. Dr. Engin KENNERMAN Prof. Dr. Mutlu TEMİZEL Doç.Dr. Sevim KASAP	
16	Contact information of the Course Coordinator:	engink@uludag.edu.tr +90 224 2941207 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:	In this lecture it is aimed to teach about the disorders of dermatologic, nervous and metabolism systems of sheep, goats, cattle, and swine; also gastrointestinal, respiratory, cardiovascular, nervous and endocrinal diseases of horses. In addition, it is aimed to acquire knowledge about diseases of different systems of these animal species and ability to make differential diagnosis according to laboratory findings. Teaching appropriate and effective treatment , prophylaxis methods and preventive medication.	
19	Contribution of the Course to Professional Development:	Graduates know the etiopathogenesis, diagnosis and treatment of internal diseases of large animals.	
20	Learning Outcomes:		
		1	Understanding of, and competence in, the logical approaches to both scientific and clinical reasoning, the distinction between the two, and the strengths and limitations of each.
		2	Advise on, and implement, preventive and eradication programmes appropriate to the species and in line with accepted animal health, welfare and public health standards.
		3	Recognise when euthanasia is appropriate and perform it with respect of the animal, using an appropriate method, whilst showing sensitivity to the feelings of owners and others, with due regard to the safety of those present; advise on disposal of the carcass.
		4	Apply principles of bio-security correctly.

	5	Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse and take appropriate action, including notifying the relevant authorities.
	6	Take part in self-audit and peer-group review processes in order to improve performance
	7	Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques
	8	Perform a complete clinical examination and demonstrate ability in clinical decisionmaking.
	9	Develop appropriate treatment plans and administer treatment in the interests of the animals under their care with regard to the resources available.
	10	Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.

21	Course Content:
----	-----------------

	Course Content:
--	------------------------

Week	Theoretical	Practice
------	-------------	----------

1	Ruminant diseases: cerebral hypoxia, heat stroke, cerebral edema, hydrocephalus and hydrancephaly, encephalitis, encephalomalacia	
---	---	--

Activities	Number	Duration (hour)	Total Work Load (hour)
------------	--------	-----------------	------------------------

Theoretical	Diseases of nervous system (botulism, enterotoxemia, black disease, listeriosis)	14	2.00	28.00
-------------	--	----	------	-------

Practicals/Labs		0	0.00	0.00
-----------------	--	---	------	------

Self study and preparation	akabane, rabies, pseudorabies, BSE)	7	2.00	14.00
----------------------------	-------------------------------------	---	------	-------

Homeworks		4	1.00	4.00
-----------	--	---	------	------

Projects	Angioneurotic edema, pox in ruminants, anthrax of swine	0	0.00	0.00
----------	---	---	------	------

Field Studies		0	0.00	0.00
---------------	--	---	------	------

Midterm exams	Metabolic profile, Calcium and phosphorus	1	2.00	2.00
---------------	---	---	------	------

Others		5	2.00	10.00
--------	--	---	------	-------

Final Exam	Cynaroma, primary phosphorus deficiency, secondary phosphorus deficiency	1	2.00	2.00
------------	--	---	------	------

Total Work Load				60.00
-----------------	--	--	--	-------

Total work load/ 30 hr	osteomalacia, puerperal haemoglobinuria, trichuris hybomagnesemia			2.00
------------------------	---	--	--	------

ECTS Credit of the Course				2.00
---------------------------	--	--	--	------

	toxemia of sheep, hypovitaminosis-A, white-muscle disease, enzootic ataxia			
--	--	--	--	--

7	Clinical diagnosis and treatment of some important toxications encountered in ruminants (Urea, Nitrit-nitrat, siyanogen plants, OFI and carbamates, copper)			
---	---	--	--	--

8	Equine diseases: Stomatitis, pharyngitis, lymphoid hyperplasia, causes of colic, clinical and laboratory evaluation of diseases accompanied by colic, treatment of colic			
---	--	--	--	--

9	Gastric dilatation, duodenitis-proximal jejunitis, obstruction of small intestine, obstruction of large intestine,sand colic, pathologic position changes, acute hepatitis, chronic hepatitis	
10	Rhinitis, epistaxis, bacterial pneumonia, interstitial pneumonia, pleuropneumonia, exercise induced pulmonarhaemorrhagia (EIPH)	
11	Chronic obstructive pulmoner disease (COPD), gurm, ruam, influenza, herpesvirus infections	
12	Congestive heart failure, bacteriael endocarditis, cardiakarithmias (atrial tachycardia, atrial fibrillation, ventricular premature complex, ventricular tachycardia, antrioventricularblocksa), viral artheritis, infectious anemi	
13	Myoglobinuriaparalyticaequi, hipocalcemictetany, hipocalcemic seizures, osteodystrophiafibrosa	
14	Degenerative myeloencephalopatı, protozoalmyeloencephalitis, polyneuritis equi, tetanus,botilismus	
22	Textbooks, References and/or Other Materials:	1.Internal Diseases of Calves, Şentürk, 2018 2. Practical Laboratory Analyses for Cattle, Şentürk, 2017. 3. Internal Diseases of Cattle, Batmaz, H., Bursa, 1997 4. Large Animal Internal Medicine 6th Edition, Smith BP, David C.Van Metre, Nicola P., Philadelphia, 2021 5. Equine Internal Medicine 4th Edition, Stephen M. Reed, Warwick M. Bayly, Debra C. Sellon, 2018 6. Veterinary Medicine, Eleventh Edition , Peter D. Constable, Kenneth W. Hinchcliff, Stanley H. Done, Walter Grünberg, 2017 7. Bovine Medicine-Diseases and Husbandry of Cattle, Andrews A.H., London, 2004 8. Robinsos's Current Therapy in Equine Medicine 7th Edition, Robinson E, 2015
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		1
Home work-project		0
Final Exam		1
Total		3
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		Students will be evaluated with a written exam
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	3	2	3	4	3	3	2	4	3	4	2	3	3	3	3	2
ÖK2	3	4	2	2	3	3	3	2	4	2	2	3	2	3	2	3
ÖK3	2	3	3	2	2	2	3	3	2	3	2	3	2	1	3	3
ÖK4	3	2	3	2	3	3	3	2	4	2	2	2	2	3	3	3
ÖK5	3	3	1	4	2	2	2	4	3	1	2	2	2	2	3	3
ÖK6	3	4	4	3	3	4	3	3	3	4	4	3	3	2	4	3
ÖK7	3	4	4	4	3	3	3	2	3	3	3	3	3	3	2	3
ÖK8	4	2	3	3	2	4	2	3	3	3	3	2	3	3	3	2
ÖK9	2	3	4	3	3	2	2	3	4	3	1	2	3	2	3	3
ÖK10	3	2	2	3	3	3	3	2	3	3	4	2	4	2	2	3
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			