AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Special Disorders of Acid – Bas Balance						
Course Code		VİH642		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	79 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Investigation of the pathophysiology of acid-base balance, metabolic acidosis, respiratory acidosis, metabolic alkalosis, and respiratoric alkalosis developing diseases and the etiology of these disorders, clinical and laboratory findings.						
Course Content		See Weekly Course Topics						
Work Placement		N/A						
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study						
Name of Lecturer(s)		Prof. Mehmet GÜLTEKİN						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	2	10

Recommended or Required Reading

1	DiBartola, Stephen P. Fluid Therapy in Small Animal Practice. 4th ed. Philadelphia, W. B. Saunders, 2011
2	C. M. Kahn, S. Line; The Merck Veterinary Manual, 10th Edition. Merck, 2010

Week	Weekly Detailed Course Contents	
1	Theoretical	Pathophysiology of Acide-Base Balance
2	Theoretical	Diagnosis and Differential Diagnosis
3	Theoretical	Treatment Prenciples
4	Theoretical	Metabolic Acidosis
5	Theoretical	Acute Rumen Lactic Acidosis
6	Theoretical	Subacute Ruminal Asidosis
7	Theoretical	Respiratory Acidosis
8	Intermediate Exam	Midterm
9	Theoretical	Newborn Asphyxia, Respiratory Distress Syndrom
10	Theoretical	Respiratoric partial and global insufficency of horses
11	Theoretical	Metabolic Alkalosis
12	Theoretical	Metabolic Alkalosis Related to Abomasal Reflux in Cattle
13	Theoretical	Respiratory Alkalosis
14	Theoretical	Febris, Sepsis
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	0	10	20
Reading	14	0	1	14
Midterm Examination	1	5	1	6

Final Examination	1	10	1	11
			Total Workload (Hours)	79
		[Total Workload (Hours) / 25*] = **ECTS**		3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Recognizes the special disorders relevant to metabolic and respiratory acid-base balance in cattle and horses.
2	Comments on clinical and laboratory findings.
3	Performs control of the effectiveness of the treatment.
4	Knows the complications of disorders.
5	Evaluate the prognosis of the patient due to the disorder.

Programme Outcomes *(Internal Diseases (Veterinary Medicine) Doctorate)*

1	Based on acquirements relevant to undergraduate and/or graduate levels, usage of associated information deeply, development of knowledge by several methods along with reaching peculior results.
2	Detecting relevant problems, establishing hypothesis against solution, acquirement of solving hypothesis within computational and experimental methods.
3	A systematic approach of evaluating and using new knowledge on related field.
4	Usage of previously known scientific methods related to field for advanced/newly known/occuring problems.
5	For Large and Small Animal Internal Medicine, taking into account the systemic clinical examination, realizing the true diagnosis for interpreting the clinical and laboratory findings, and the need to implement effective and rational treatment for taking prophylactic measures.
6	Detecting the problems related to Turkish animal husbandry related to herd health and prophylactic veterinary surgeon.
7	Reviewing and usage of all related data (field observations, scientific knowledge) for requirements.
8	Innovation in the field of science, the scientific method for a new area of development and application of a method known to have one of a new plan that for.
9	Following, evaluating, presenting and discussing the international literature in the field of Veterinary Internal Medicine.
10	Offering all kinds of development and innovation in the field of appropriate methods, the economic and social advancement of the society for contribution.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3
P1	4	4	4
P2	5	4	3
P3	4	4	4
P4	4	5	5
P5	4	5	3
P7	4	4	2
P8	4	4	4
P9	3	3	3
P10	2	2	1