



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fluid Treatment in Isovolemic Disorders							
Course Code		VİH629		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	144 (<i>Hours</i>)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Dehydration pathophysiology, clinical symptoms and laboratory findings in the diagnosis of dehydration, rehydration therapy, oral rehydration, parenteral rehydration, pathophysiology, and diagnosis of hyperhydration, etiological and symptomatic treatment of hyperhydration.							
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)		Assoc. Prof. Songül ERDOĞAN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	25
Final Examination	1	60
Assignment	4	15

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
3	K. Turgut. Veteriner Klinik Laboratuvar Teşhis Kitabı. 2000

Week	Weekly Detailed Course Contents	
1	Theoretical	Body Fluids and Their Distribution
	Preparation Work	Determination of Hydration Status
2	Theoretical	Definition of Dehydration and Hypovolemia
	Preparation Work	Evaluation for Clinical Findings of Dehydration in Cases
3	Theoretical	Pathophysiology of Dehydration
	Preparation Work	Evaluation for Laboratory Findings of Dehydration in Cases
4	Theoretical	Clinical and Laboratory Findings in Dehydration
	Preparation Work	Evaluation for Clinical and Laboratory Findings of Dehydration in Cases
5	Theoretical	Rehydration Therapy
	Preparation Work	Selection of Application Route
6	Theoretical	Oral Rehydration
	Preparation Work	Oral Rehydration Therapy
7	Theoretical	Parenteral Rehydration
	Preparation Work	Intravenous Rehydration Therapy
8	Theoretical	Crystalloid and Colloidal Solutions
	Preparation Work	Presentation of Solutions
9	Intermediate Exam	Midterm
10	Theoretical	Definition of Hiperhydration and Hypervolemia
	Preparation Work	Evaluation for Clinical Findings of Hyperhydration in Cases
11	Theoretical	Clinical and Laboratory Findings in Hyperhydration
	Preparation Work	Evaluation for Laboratory Findings of Hyperhydration in Cases
12	Theoretical	Treatment Principle in Hyperhydration
	Preparation Work	Case Treatment
13	Theoretical	Use of Diuretics
	Preparation Work	Case Treatment
14	Theoretical	Case Studies



14	Preparation Work	Case Treatment
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Assignment	4	0	15	60
Midterm Examination	1	20	1	21
Final Examination	1	20	1	21
Total Workload (Hours)				144
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Defines dehydration and hyperhydration.
2	Determines the appropriate treatment method.
3	Applies etiological and symptomatic treatment
4	Makes appropriate fluid selection.
5	Have an idea about the prognosis of patients.

Programme Outcomes (Internal Diseases (Veterinary Medicine) Doctorate)

1	Based on acquisitions relevant to undergraduate and/or graduate levels, usage of associated information deeply, development of knowledge by several methods along with reaching peculiar 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/occurring 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	3	4	4
P2	3	2	2
P3	3	4	4
P4	2	4	4
P5	3	4	4
P6	2	2	2
P7	2	3	3
P8	2	3	4
P9	2	3	4
P10	3	3	3

