AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Fluid Treatment in Adult Ruminant								
Course Code	ViH628		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	6	Workload	148 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course	Evaluation of energy and fat metabolism disorders in adult ruminants, acute diarrhea, acute food indigesyonlar, food intake and the overall situation with reflux syndrome in patients with significantly impaired and the amount of solution used, route of administration, and application effectiveness.								
Course Content	See weekly course topics								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Assoc. Prof. Ceren DİNLER AY								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	25
Final Examination	1	60
Assignment	4	15

Recommended or Required Reading	
1	C. M. Kahn, S. Line; The Merck Veterinary Manual, 10th Edition. Merck, 2010
2	Bradford P. Smith; Large Animal Internal Medicine, 4th Edition. Mosby, 2009
3	Radostits, Otto M. [and others], eds. Veterinary Medicine: A Textbook of the Diseases of Cattle, Sheep, Pigs, Goats and Horses. 10th ed. WB Saunders, 2007
4	Blowey, R. W., and Weaver, A. David; Color Atlas of Diseases and Disorders of Cattle, 2nd ed. Mosby, 2003
5	K. Turgut. Veteriner Klinik Laboratuvar Teşhis Kitabı. 2000

Week	Weekly Detailed Course Contents	
1	Theoretical	Indications for Fluid Therapy in Adult Ruminants
	Preparation Work	Case evaluation
2	Theoretical	Properties and Selection of Solutions
	Preparation Work	Presenting Solutions
3	Theoretical	Selection Criteria for Application Route
	Preparation Work	Intraveneous and Subcutaneous Infusion
4	Theoretical	Parenteral Fluid Therapy
	Preparation Work	Contineous Intraveneous Infusion
5	Theoretical	Oral Fluid Therapy
	Preparation Work	Passing Ruminal Tube in Cattle, Goats and Sheep
6	Theoretical	Fluid Therapy for Ketosis, Lipomobilization Syndrom and Hepatic Lipidosis of Cows and Pregnancy Toxemia of Ewes
	Preparation Work	Clinical Application in Cases
7	Theoretical	Fluid Therapy in Acute Diarrhea
	Preparation Work	Case Study
8	Intermediate Exam	Midterm
9	Theoretical	Fluid Therapy in Acute Ruminal Lactic Acidosis
	Preparation Work	Clinical Evaluation
10	Theoretical	Fluid Therapy in Ruminal Alkalosis and Putrefication
	Preparation Work	Clinical Evaluation
11	Theoretical	Fluid Therapy for Displaced Abomasum
	Preparation Work	Clinical Evaluation
12	Theoretical	Fluid Therapy for Anorexia and Disorders in General Condition
	Preparation Work	Clinical Evaluation

13	Theoretical	Fluid Therapy in Parturient Paresis
	Preparation Work	Clinical Evaluation
14	Theoretical	Fluid Therapy for Tetany
	Preparation Work	Clinical Evaluation
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
Reading	14	0	1	14
Midterm Examination	1	10	1	11
Final Examination	1	20	1	21
			Total Workload (Hours)	148
			[Total Workload (Hours) / 25*] = **ECTS**	6

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	Defines the indications for fluid therapy in adult ruminants.
2	Implements an effective and rational therapy for fluid therapy.
3	Evaluates the effectiveness of the application.
4	Knows the types of fluids used.
5	Evaluates the prognosis of patients.

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	3	4	4
P2	2	2	2
P3	4	4	4
P4	4	4	4
P5	4	4	4
P6	4	4	4
P7	3	3	3
P8	3	3	3
P9	2	2	2
P10	4	4	4