



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Parenteral Nutrition							
Course Code		VİH638		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	5	Workload	129 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Evaluation of importance and indications , principles , dysadvantages of parenteral nutritio , differences between parenteral and enteral nutrition and their clinical reflections, updated applications and choices in parenteral nutrition, carbohydrate solutions, lipid emulsions and aminoacid solutions used in parenteral nutrition, alternative solutions in parenteral nutrition, indications of parenteral nutrition in pre-operative period animals with severe manutrition and to those of not tolerating enteral nutrition, anorexia, suitable parenteral nutritional conditions in cases of not receiving real therapy because of cachexia, the cases in which parenteral nutrition could not be applied and the complications of parenteral nutrition							
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, Prof. Serdar PASA							

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

Week	Weekly Detailed Course Contents	
1	Theoretical	Parenteral Nutrition and Indications
3	Theoretical	Dysadvantages of Parenteral nutrition
4	Theoretical	Principles of Parenteral nutrition
5	Theoretical	Routes of Parenteral nutrition
6	Theoretical	Carbohydrate solutions, lipid emulsions and aminoacid solutions used in parenteral nutrition
7	Theoretical	Alternative solutions in Parenteral nutrition
8	Intermediate Exam	Midterm
9	Theoretical	Updated applications and choices in parenteral nutrition
10	Theoretical	Parenteral nutrition in preoperative period animals
11	Theoretical	Parenteral nutrition in cases taht are not receiving real therapy because of anorexia/cachexia
12	Theoretical	The conditions that Parenteral nutrition could not be applied
13	Theoretical	Complications of Parenteral nutrition
14	Theoretical	Case evaluation
15	Theoretical	Discussion
16	Theoretical	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	4	0	15	60
Reading	14	0	2	28
Midterm Examination	1	10	1	11



Final Examination	1	15	1	16
Total Workload (Hours)				129
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Describing the importance and indications of parenteral nutrition
2	Selection and application of appropriate solutions for diseases
3	Evaluating the complications of parenteral nutrition
4	Gains knowledge of methods of parenteral nutrition.
5	Designs the treatment time appropriate to the needs of the feed.

Programme Outcomes (Internal Diseases (Veterinary Medicine) Doctorate)

1	Based on acquirments 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	4	4	4
P2	5	4	4
P3	4	4	4
P4	4	5	5
P5	4	5	5
P6	4	5	4
P7	3	4	3
P8	4	4	4
P9	3	3	3
P10	4	4	3

