



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Anemia and Diseases Associated With Anemia							
Course Code		VİH502		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	98 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		In the course of many diseases or as a result of evolving morphological and etyo-pathogenesis classification of causes of hypo/aplastic anemias hemolytic and hemorrhagic, laboratory parameters, diagnosis, prognosis and therapy.							
Course Content		Look at: Summary							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Prof. Hüseyin VOYVODA, Prof. Kerem URAL							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	25
Final Examination	1	60
Assignment	3	15

Recommended or Required Reading

1	C. Smith, A. Jarecki. Atlas of Comparative Diagnostic and Experimental Hematology, 2nd Edition. Wiley-Blackwell, 2012
2	D. J. Weiss, K. J. Wardrop. Schalm's Veterinary Hematology, 6th Edition. Wiley, 2011.
3	C. M. Kahn, S. Line; The Merck Veterinary Manual, 10th Edition. Merck, 2010
4	Nelson, Richard W., C. C. Guillermo. Small Animal Internal Medicine, 4th Edition, Elsevier Health Sciences, 2008

Week	Weekly Detailed Course Contents	
1	Theoretical	Approach to anemia and anemic patient
	Preparation Work	Select anticoagulant and normal hemogram
2	Theoretical	Regenerative anemia
	Preparation Work	Heamatological analysis in anemic patients
3	Theoretical	Infectious hemorrhagic anemia
	Preparation Work	Biochemical analysis in anemic patients
4	Theoretical	Non-infectious hemorrhagic anemia
	Preparation Work	Blood bags
5	Theoretical	Hemolytic anemias (infectious causes)
	Preparation Work	Blood Transfusion
6	Theoretical	Hemolytic anemias (non-infectious causes)
	Preparation Work	Blood Transfusion
7	Theoretical	Nonregenerative anemias
	Preparation Work	Case evaluation
8	Intermediate Exam	Mid-term
9	Theoretical	Non-regenerative anemias (infectious causes)
	Preparation Work	Case evaluation
10	Theoretical	Non- regenerative anemias (non-infectious causes)
	Preparation Work	Case evaluation
11	Theoretical	Blood transfusion in anemic dogs
	Preparation Work	Case evaluation
12	Theoretical	Blood transfusion in anemic cats
	Preparation Work	Case evaluation
13	Theoretical	Blood transfusion in anemic cows
	Preparation Work	Case evaluation



14	Theoretical	Blood transfusion in anemic horses
	Preparation Work	Case evaluation
15	Theoretical	Discussion
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	2	0	15	30
Reading	14	0	1	14
Midterm Examination	1	3	1	4
Final Examination	1	7	1	8
Total Workload (Hours)				98
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Describe of anemia and anemia with diseases.
2	Treatment of anemia and anemia with diseases
3	Prevention and control precaution of anemia and anemia with diseases.
4	Categorize anemia and determine treatment procedure.
5	Knows the differential diagnosis of anemia and progressive diseases.

Programme Outcomes (Internal Diseases (Veterinary Medicine) Master)

1	Among veterinary medicine master of science sufficiency, increasing and deepening relevant knowledge
2	Developing and deepening theoretical and practical knowledge in the field of use, integrating knowledge from different disciplines for interpretation.
3	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.
4	Learning how to access and evaluate relevant information.
5	Quoting updated novelty relevant to Veterinary Internal Medicine by incisptive, oral and visually.
6	Planning a relevant research study by use of quantative and qualitative data collection, continuing by taking care of scientific ethics, and by evaluation of appropriate statistical methods chosen, converting the investigational and project results into report/thesis.
7	Information obtained in accordance with the requirements of the country and the level of expertise of the region for usage of research public and animal health.

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

	L1	L2	L3
P1	3	3	3
P2	4	4	4
P3	5	5	5
P4	3	2	2
P5	4	4	4
P6	3	2	2
P7	3	4	2

