AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Evaluating of Complete Blood Count in Animals								
Course Code	ViH646		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	Haftalara göre ders konularına bakınız.								
Course Content	See Weekly Course Topics!								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	25
Final Examination	1	60
Assignment	3	15

Recommended or Required Reading	
1	Barger AM. The complete blood cell count: a powerful diagnostic tool. Vet Clin North Am Small Anim Pract. 2003 Nov;33 (6):1207-22.
2	Stockham SL, Keeton KS, Szladovits B. Clinical assessment of leukocytosis: distinguishing leukocytoses caused by inflammatory, glucocorticoid, physiologic, and leukemic disorders or conditions. Vet Clin North Am Small Anim Pract. 2003 Nov;33(6):1335-57.
3	K. Turgut. Veteriner Klinik Laboratuvar Teşhis Kitabı. 2000

Week	Weekly Detailed Course Contents	
1	Theoretical	Indication of complete blood count
2	Theoretical	Normal hematological parameters and Factors affecting the hematological parameters
3	Theoretical	Anticoagulant selection
4	Theoretical	Taking and processing blood sample
5	Theoretical	Analysis techniques
6	Theoretical	Interpretation of erythrocyte abnormalities
7	Theoretical	Erythrocyte index
8	Intermediate Exam	Midterm
9	Theoretical	Anemia, polycythemia
10	Theoretical	Interpretation of leucocyte abnormalities
11	Theoretical	Leukocytosis, leukopenia
12	Theoretical	Interpretation of thrombocyte abnormalities
13	Theoretical	Thrombocytopenia, thrombocytosis
14	Theoretical	Case samples
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	3	0	15	45
Reading	14	0	1	14
Midterm Examination	1	10	1	11

Final Examination	1	15	1	16
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Knows indications of complete blood count and the factors which influence the parameters
2	Withdraws blood samples according to the technique
3	İnterprets the analyze results.
4	Knows the factors affecting blood count.
5	Knows the analytical changes that may affect the results of the analysis.

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