



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Septicemic Disease in Newborn Calves							
Course Code		VIH530		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Septicemic diseases that cause death in neonatal calves and the etiology, pathogenesis, clinical features, and the general principles of prevention treatment will be discussed.							
Course Content		See weekly course topics							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	2	10

### Recommended or Required Reading

1	S. Şentürk. Buzağların İç Hastalıkları (Olgu Tartışmalı ve Temelli), 2006
2	Barrington GM, Parish SM. Bovine neonatal immunology. Vet Clin North Am Food Anim Pract. 2001 Nov;17(3):463-76.

Week	Weekly Detailed Course Contents	
1	Theoretical	overview of septicemia in calf
2	Theoretical	Sepsis and the clinical significance of dairy cattle
3	Theoretical	Factors related to animal in septicemia
4	Theoretical	Septicemia due to environmental factors
5	Theoretical	septicemia due to infection agent factors
6	Theoretical	colostrum and The importance of colostrum
7	Theoretical	septicemia pathogens in Newborn Calf
8	Intermediate Exam	midterm
9	Theoretical	viral agents in newborn septicemic calfs
10	Theoretical	contamination and pathogenesis in septicemia
11	Theoretical	clinical findings in septicemia
12	Theoretical	Diagnosis and differential diagnosis of septicemia
13	Theoretical	treatment of septicemia
14	Theoretical	protection of septicemia
15	Theoretical	discussion
16	Final Exam	final

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	2	0	22	44
Reading	14	0	2	28
Midterm Examination	1	4	1	5
Final Examination	1	8	1	9
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	knows enough theoretical knowledge about septicemia in the newborn calves
2	Can diagnose clinical and laboratory techniques of calf septicemias
3	Implements effectively rational treatment in septicemic newborn calves
4	Take precautions to Prevention of neonatal calf septicemia
5	Knows the pathogenesis of sepsis in calves.

**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 incisive, oral and visually.
6	Planning a relevant research study by use of quantitative 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	L4
P1	4	5	5	5
P2	3	4	5	5
P3	4	5	5	5
P4	3	3	3	3
P5	3	3	4	4
P6	3	3	3	3
P7	3	4	4	5

