AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Pathologyof Hematopoietic and Cardiovascular System								
Course Code	VPT610		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	4	Workload	101 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Disorders of stem cells, leukocyte response to peripheral disease, myeloid reactions,lymphoproliferative disease, tyhmus lymph nodes, spleen and hemolymph nodes and spesific infections of the lymphoid tisues. Congenital abnormalities of the heart and large vessels, heart failure (cardiac dilation, cardiac hypertrophy, syndromes of circulatory failure), arteries, veins and lymphatics, spesific infectious								
Course Content	Disorders of stem cells, leukocyte response to peripheral disease, myeloid reactions,lymphoproliferative disease, tyhmus lymph nodes, spleen and hemolymph nodes and spesific infections of the lymphoid tisues. Congenital abnormalities of the heart and large vessels, heart failure (cardiac dilation, cardiac hypertrophy, syndromes of circulatory failure), arteries, veins and lymphatics, spesific infectious								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Prof. Nihat TOPLU								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	K.V.F. Jubb, P. C.Kennedy. N. Palmer (1992). Pathology of Domestic Animals volume 2. 4th edition. Academic Pres Inc.
2	K.V.F. Jubb, P. C. Kennedy,N. Palmer (1992). Pathology of Domestic Animals volume 3. 4thedition. Academic Pres Inc.

Week	Weekly Detailed Course Contents	
1	Theoretical	Morphology and function of stem cells
	Preparation Work	Book
2	Theoretical	Blood cells and hematopoiesis
	Preparation Work	Book
3	Theoretical	Leukocyte response to damage of stem cell and blood cells
	Preparation Work	Book
4	Theoretical	Lymphoproliferative disease in stem cells, lymphoid tissue and blood cells
	Preparation Work	Book
5	Theoretical	Protozoan diseases of stem cell, lymphoid tissue and blood cells
	Preparation Work	Blood
6	Theoretical	Tumors in stem cells and lymphoid tissue
	Preparation Work	Book
7	Theoretical	Viral and bacterial diseases of stem cells, lymphoid tissue and blood cells
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term Exam
9	Theoretical	Fetal development, organogenesis and anomalies of heart and vessels
	Preparation Work	Book
10	Theoretical	Heart damages and failure
	Preparation Work	Book
11	Theoretical	Degenerative and immunative diseases of heart
	Preparation Work	Book
12	Theoretical	Viral, bacterial and protozoal diseases of heart
	Preparation Work	Book
13	Theoretical	Heart and vessel tumors
	Preparation Work	Book

14	Theoretical	Overview
	Preparation Work	Book
15	Theoretical	Overview
	Preparation Work	Book
16	Preparation Work	Book
	Final Exam	Final Exam
17	Preparation Work	Book
	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	5	5	0	25
Reading	4	1	3	16
Individual Work	3	1	3	12
Midterm Examination	1	8	1	9
Final Examination	1	10	1	11
			Total Workload (Hours)	101
			[Total Workload (Hours) / 25*] = **ECTS**	4

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To be knowledgeable about the disorders of stem cells, leukocyte responses to peripheral disease, myeloid reactions
2	To understand lymphoproliferative diseases and anemias
3	To have knowledge about tyhmus, heart, lymph nodes, spleen and hemolymph nodes and spesific infections of the lymphoid tissues
4	To have knowledge about congenital abnormalities of the heart and large vessels, heart failure (cardiac dilation, cardiac hypertrophy, syndromes of circulatory failure) and spesific infectious diseases
5	To have knowledge about arteries, veins and lymphatics and their spesific infectious diseases

Programme Outcomes *(Pathology (Veterinary Medicine) Doctorate)*

1	The student knows lesions of organs and tissues as well as pathological mechanisms of infectious/noninfectious diseases of especially farm and pet animals.
2	The student intensify theorical and practical knowledge.
3	The student will learn and apply a variety of theoretical methods of diagnosis.
4	Students macroscopic and microscopic signs of diseases characterized by evaluating the clinical findings and examine the comparative.
5	
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Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5