



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Degenerations and Metabolic Diseases							
Course Code		VPT512		Coure Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	78 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Energy metabolisms of cell, physiological fluid Exchange, acute cell bulge, asidosis, alkolosis, shock							
Course Content		Energy metabolisms of cell, physiological fluid Exchange, acute cell bulge, asidosis, alkolosis, shock							
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	Jones, T.C., Hunt, R.D., King, N.W., (1996) Veterinary Patology, Waverly Company, Philadelphia, USA.
2	Thomson, R.G., (1978) General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Morphology of cell
	Preparation Work	Book
2	Theoretical	Structure of cell
	Preparation Work	Book
3	Theoretical	Chemical structure of cell
	Preparation Work	Book
4	Theoretical	Energy metabolism of cell
	Preparation Work	Book
5	Theoretical	Physiological fluid Exchange
	Preparation Work	Book
6	Theoretical	Causes of cell damage
	Preparation Work	Book
7	Theoretical	Pathophysiology of cell damage
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term Exam
9	Theoretical	Acute cell bulge
	Preparation Work	Book
10	Theoretical	Cell adaptation
	Preparation Work	Book
11	Theoretical	Asidosis
	Preparation Work	Book
12	Theoretical	Alkalosis
	Preparation Work	Book
13	Preparation Work	Book
14	Theoretical	Overview
	Preparation Work	Book
15	Theoretical	Overview
	Preparation Work	Book



16	Preparation Work	Book
	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	5	0	4	20
Term Project	1	0	10	10
Individual Work	3	0	2	6
Midterm Examination	1	5	1	6
Final Examination	1	7	1	8
Total Workload (Hours)				78
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be knowledgeable about the energy metabolism and physiological fluid exchange of the cell
2	To be knowledgeable about the causes of cellular injury
3	To be knowledgeable about the pathophysiology of cellular injury
4	To be knowledgeable about the pathogenesis of acute cell swelling
5	To be knowledgeable about the asidosis, alkalosis and shock

Programme Outcomes (Pathology (Veterinary Medicine) Master)

1	The student knows anatomy, structure/function of organs and tissues as well as physiological mechanisms of especially farm animals.
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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	4	5	5	5	3
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	4	5	5	5	4
P5	4	5	5	5	4
P6	4	5	5	5	5
P7	3	5	5	5	4
P8	3	5	5	5	3
P9	3	5	5	5	4
P10	3	5	5	5	3

