



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cell Degenerations and Metabolic Disturbances							
Course Code		VPT614		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	72 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Acute cell swelling, pathology of the cell surface, pathologic protein synthesis, intracellular degradation, pathologic lysosome and mitochondria.							
Course Content		Acute cell swelling, pathology of the cell surface, pathologic protein synthesis, intracellular degradation, pathologic lysosome and mitochondria.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)		Prof. Şule Yurdagül ÖZSOY							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Veterinary Patology, Waverly Company, Philadelphia, USA.Thomson, R.G., (1978)
2	Patology, W.B.Saunders Company. Philadelphia, USA.Gavin, M.D.M., Zachary, J. F. (2007)

Week	Weekly Detailed Course Contents	
1	Theoretical	Cell morphology
	Preparation Work	Book
2	Theoretical	Ultrastructural structure of cell membrane
	Preparation Work	Book
3	Theoretical	Chemical structure of cell membrane
	Preparation Work	Book
4	Theoretical	Energy metabolism of cell
	Preparation Work	Book
5	Theoretical	Physiological liquid changes
	Preparation Work	Book
6	Theoretical	Cell degeneration reasons
	Preparation Work	Book
7	Theoretical	Cell degeneration pathophysiology
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term Exam
9	Theoretical	Acute cell swelling
	Preparation Work	Book
10	Theoretical	Adaptation of cell to injures
	Preparation Work	Book
11	Theoretical	Acidosis
	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
17	Preparation Work	Book
	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	5	4	0	20
Midterm Examination	1	10	1	11
Final Examination	1	12	1	13
Total Workload (Hours)				72
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To examine the energy metabolism of the cell
2	To have knowledge about the physiological fluid exchange in the cell
3	To have knowledge about cell degenerations
4	To have knowledge about acidosis and alcoholosis
5	To have knowledge about shock

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 theoretical 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

