



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Apoptosis							
Course Code		VPT643		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Apoptosis, mechanisms, components and the role of apoptosis in organism will be emphasized.							
Course Content		Apoptosis, mechanisms, components and the role of apoptosis in organism will be emphasized.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Pathologic Basis of Veterinary Diseases
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Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of apoptosis
2	Theoretical	The role of apoptosis in organism
3	Theoretical	Morphology of apoptosis
4	Theoretical	Morphology of apoptosis
5	Theoretical	Markers involved in apoptosis
6	Theoretical	Mechanisms of apoptosis
7	Theoretical	Pathways of apoptosis
8	Theoretical	Pathways of apoptosis
9	Theoretical	Pathways of apoptosis
10	Theoretical	Necrosis and apoptosis in diseases
11	Theoretical	Necrosis and apoptosis in diseases
12	Theoretical	Necrosis and apoptosis in diseases
13	Theoretical	Overview
14	Theoretical	Overview

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	1	42
Assignment	2	8	2	20
Final Examination	1	12	2	14
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To have knowledge about apoptosis and its mechanisms
2	To have knowledge about the role of apoptosis
3	To have knowledge about the morphology of apoptosis
4	To have knowledge about the role of apoptosis in the pathogenesis of diseases
5	To have knowledge about the differences between necrosis and apoptosis



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.
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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

