



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Degeneration and Necrosis							
Course Code		VPT502		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	72 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		General and special intracellular and extracellular degenerative differences, macroscopic and microscopic properties of necrosis							
Course Content		Normal cell histology, physiology, energy metabolism, General and special intracellular and extracellular degeneration and necrosis pathogenesis, histomorphologic differences							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)		Lec. Ayşe Nur AKKOÇ, Lec. Erkmen Tuğrul EPIKMEN, Prof. Nihat TOPLU							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Robbins, K. C. (1992) Basic Pathology, W.B.Saunders Company, Philadelphia, USA.
2	Thomson, R.G., (1978) General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA

Week	Weekly Detailed Course Contents	
1	Theoretical	The cell histomorphology
	Preparation Work	Book
2	Theoretical	The cell ultrastructure
	Preparation Work	Book
3	Theoretical	The cell physiology
	Preparation Work	Book
4	Theoretical	The cell oxidation
	Preparation Work	Book
5	Theoretical	Energy metabolism of cell
	Preparation Work	Book
6	Theoretical	Free radicals
	Preparation Work	Book
7	Theoretical	Detoxification activities of cells
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term Exam
9	Theoretical	Causes of degeneration and necrosis
	Preparation Work	Book
10	Theoretical	Acute cell bulge
	Preparation Work	Book
11	Theoretical	Necrosis
	Preparation Work	Book
12	Theoretical	Apoptosis
	Preparation Work	Book
13	Theoretical	Range of necrosis
	Preparation Work	Book
14	Theoretical	Overview
	Preparation Work	Book
15	Theoretical	Overview



15	Preparation Work	Book
16	Preparation Work	Book
	Final Exam	Final Exam

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	6	6	0	36
Midterm Examination	1	8	1	9
Final Examination	1	12	1	13
Total Workload (Hours)				72
[Total Workload (Hours) / 25*] = <b>ECTS</b>				3
*25 hour workload is accepted as 1 ECTS				

**Learning Outcomes**

1	To be knowledgeable about the results of the degeneration and necrosis
2	To be knowledgeable about macroscopic and microscopic features of degeneration and necrosis
3	To be knowledgeable about the pathogenesis of the degeneration and necrosis
4	To be knowledgeable about the results of the degeneration and necrosis
5	To be knowledgeable about the types of the degeneration and necrosis

**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.
2	
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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

