AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Inflammation, Degeneration and Necrosis								
Course Code	VPT601		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	4	Workload	98 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Function and components of the inflammatory response, the vascular response, the cellular response, granulocytic series, mononuclear cells, classification of exudates. General intracellular degenerative changes (cell swelling, fatty degeneration and fatty infiltration), specific types of extracellular degenerative changes (hyalinization, fibrinoid, Gout, cholesterol clefts, corpora amylacea and amyloid), calcification, glycogen storage diseases, gross and cellular characteristics of necrosis, types of necrosis.								
Course Content	Function and components of the inflammatory response, the vascular response, the cellular response, granulocytic series, mononuclear cells, classification of exudates. General intracellular degenerative changes (cell swelling, fatty degeneration and fatty infiltration), specific types of extracellular degenerative changes (hyalinization, fibrinoid, Gout, cholesterol clefts, corpora amylacea and amyloid), calcification, glycogen storage diseases, gross and cellular characteristics of necrosis, types of necrosis.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA.Gavin, M.D.M., Zachary, J. F. (2007)
2	Basic Pathology, W.B.Saunders Company, Philadelphia, USA
3	Jones, T.C., Hunt, R.D., King, N.W., (1996) Veterinary Patology, Waverly Company, Philadelphia, USA.
4	Thomson, R.G., (1978) General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA.
5	Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK.
6	Robbins, K. C. (1992) Basic Pathology, W.B.Saunders Company, Philadelphia, USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Function and components of the inflammatory response
	Preparation Work	Ders Kitabı-Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK.
2	Theoretical	Pathogenesis of inflammation
	Preparation Work	Book-Jones, T.C., Hunt, R.D., King, N.W., (1996) Veterinary Patology, Waverly Company, Philadelphia, USA.
3	Theoretical	Inflammator cells and course of inflammation
	Preparation Work	Book- Jones, T.C., Hunt, R.D., King, N.W., (1996) Veterinary Patology, Waverly Company, Philadelphia, USA.
4	Theoretical	An exudative inflammation
	Preparation Work	Book-Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK.
5	Theoretical	Proliferative inflammation
	Preparation Work	Book-Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK.
6	Theoretical	Degeneration and components of the degeneration
7	Theoretical	Types of degeneration
8	Theoretical	Types of degeneration
9	Theoretical	Types of degeneration
10	Theoretical	Types of degeneration
11	Theoretical	Necrosis and components of the necrosis
12	Theoretical	Pathogenesis of necrosis

13	Theoretical	Types of necrosis
14	Theoretical	Types of necrosis

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	5	4	0	20
Midterm Examination	1	8	1	9
Final Examination	1	12	1	13
			Total Workload (Hours)	98
			[Total Workload (Hours) / 25*] = **ECTS**	4

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To have knowledge about the pathogenesis of infiammation
2	To have knowledge about chemical mediators and cytokines involved in inflammation
3	To have knowledge about cells involved in inflammation
4	To have knowledge about the types of inflammation
5	To have knowldge about degeneration and degenerative changes
6	To have knowledge about necrosis and the types of necrosis

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	L6
P1	5	5	5	5	5	5
P2	5	5	5	5	5	5
P3	5	5	5	5	5	5
P4	5	5	5	5	5	5
P5	5	5	5	5	5	5
P6	5	5	5	5	5	5
P7	5	5	5	5	5	5
P8	5	5	5	5	5	5
P9	5	5	5	5	5	5
P10	5	5	5	5	5	5