AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Introduction to Cell Pathology, The Cell and Growth Disturbances								
Course Code	VPT613		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	4	Workload	95 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Pathognesis, pathologic tissue responses, factors that lead to death, cell and growth disturbances (cell surface, pathways of protein synhesis, lysosomes and intracellular digestion, cell growth, cell regression, genetic diseases and aging.)								
Course Content	Pathognesis, pathologic tissue responses, factors that lead to death, cell and growth disturbances (cell surface, pathways of protein synhesis, lysosomes and intracellular digestion, cell growth, cell regression, genetic diseases and aging.)								
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	B. A. Summers, J. F. Cummings, A. Lahunta. (1995).Veterinary Neuropathology. Mosby.
2	C. D. Buergelt. (1997). Color Atlas of Reproductive Pathology of Domestic Animals. Mosby.

Week	Weekly Detailed Course Contents	
1	Theoretical	Cell histomorphology
	Preparation Work	Book
2	Theoretical	Fine structure of cell
	Preparation Work	Book
3	Theoretical	Receptor and antigen of cell
	Preparation Work	Book
4	Theoretical	Protein metabolism of cell
	Preparation Work	Book
5	Theoretical	Carbohydrate and fat metabolism of cell
	Preparation Work	Book
6	Theoretical	Detoxification mecanism of cell
	Preparation Work	Book
7	Theoretical	Cell degeneration reasons
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Midterm Exam
9	Theoretical	Cell degeneration answers
	Preparation Work	Book
10	Theoretical	Cell adaptations
	Preparation Work	Book
11	Theoretical	Apoptosis
	Preparation Work	Book
12	Theoretical	Necrosis
	Preparation Work	Book
13	Theoretical	Genetic diseases
	Preparation Work	Book
14	Theoretical	Aging
	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	2	2	56
Assignment	5	3	0	15
Midterm Examination	1	10	1	11
Final Examination	1	12	1	13
			Total Workload (Hours)	95
			[Total Workload (Hours) / 25*] = **ECTS**	4

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To have knowledge about cell morphology and organelles, cell growth and physiology
2	To learn cell metabolism (cell surface, protein synthesis pathways, lysosomes and intracellular digestion)
3	To have knowledge about cell development disorders
4	To have knowledge about adaptation and causes of death in the cell
5	To have knowledge about genetic diseases and aging

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
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