AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Pathophysiologic Mechanisms of Cell Aging								
Course Code	VPT535		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	3	Workload	71 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Effect factors on the cell aging, diseases that related to the mechanisms of cell aging and the mechanisms of cell aging								
Course Content	Factors which have effects cell aging, diseases occurring with cell aging, and mechanism of cell aging.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Lec. Erkmen Tuğrul EPİKMEN								

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

Recommended or Required Reading	
1	K.V.F. Jubb, P. C.Kennedy, N. Palmer (1992). Pathology of Domestic Animals volume 1. 4th edition. Academic Pres Inc.
2	K.V.F. Jubb, P. C.Kennedy. N. Palmer (1992). Pathology of Domestic Animals volume 2. 4th edition. Academic Pres Inc.
3	K.V.F. Jubb, P. C. Kennedy,N. Palmer (1992). Pathology of Domestic Animals volume 3. 4thedition. Academic Pres Inc.
4	B. A. Summers, J. F. Cummings, A. Lahunta. (1995).Veterinary Neuropathology. Mosby.

Week	Weekly Detailed Course Contents	
1	Theoretical	Cell aging
	Preparation Work	Book
2	Theoretical	Factors effecting the cell aging
	Preparation Work	Book
3	Theoretical	Mechanism of cell aging
	Preparation Work	Book
4	Theoretical	Disease occurring with cell aging
	Preparation Work	Book
5	Theoretical	Lesions which occur digestive system with cell aging
	Preparation Work	Book
6	Theoretical	Lesions which occur digestive system with cell aging
	Preparation Work	Book
7	Theoretical	Lesions which occur respiratory system with cell aging
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term
9	Theoretical	Lesions which occur nervous system with cell aging
	Preparation Work	Book
10	Theoretical	Lesions which occur urinary system with cell aging
	Preparation Work	Book
11	Theoretical	Lesions which occur genital system with cell aging
	Preparation Work	Book
12	Theoretical	Lesions which occur epithelial system with cell aging
	Preparation Work	Book
13	Theoretical	Lesions which occur in muscle, hinge and tendon with cell aging
	Preparation Work	Book
14	Theoretical	Demonstration
	Preparation Work	Book

15	Theoretical	Final exam
	Preparation Work	Book

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Quiz	1	12	1	13
Midterm Examination	1	14	1	15
Final Examination	1	14	1	15
			Total Workload (Hours)	71
			[Total Workload (Hours) / 25*] = **ECTS**	3

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To be knowledgeable about the mechanism of cell aging
2	To be knowledgeable about the factors affecting aging of cell.
3	To be knowledgeable about the histomorphological changes in aging cells
4	To be knowledgeable about the ultrastructural changes in the organelles of aging cells
5	To be knowledgeable about the tests used to determine the cellular aging

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.
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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	3	3	3	5	5
P2	4	5	5	5	5
P3	4	5	5	5	5
P4	5	5	5	5	5
P5	3	4	3	5	5
P6	3	4	4	5	5
P7	3	4	5	5	5
P8	3	4	5	5	5
P9	3	4	5	5	5
P10	3	4	3	5	5