



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cell Pathology and Growth Disturbances							
Course Code		VPT511		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	103 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Cell morphology and organelns, growth, Physiology, metabolism , regration in cell, cell and development disorders, genetic diseases, causes of death , adaptation							
Course Content		Cell morphology and organelns, growth, Physiology, metabolism , regration in cell, cell and development disorders, genetic diseases, causes of death , adaptation							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)		Lec. Ayşe Nur AKKOÇ, Lec. Erkmen Tuğrul EPİKMEN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Gavin, M.D.M., Zachary, J. F. (2007) Pathologic Basis of Veterinary Disease, Mosby, London, UK.
2	Thomson, R.G., (1978) General Veterinary Patology, W.B.Saunders Company. Philadelphia, USA.

Week	Weekly Detailed Course Contents	
1	Theoretical	Histomorphology of cell
	Preparation Work	Book
2	Theoretical	Ultrastruktur 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 lipid metabolisms of cell
	Preparation Work	Book
6	Theoretical	Detoxification mechanisms of cell
	Preparation Work	Book
7	Theoretical	Causes of cell disorders
	Preparation Work	Book
8	Preparation Work	Book
	Intermediate Exam	Mid term Exam
9	Theoretical	Responses against cell disorders
	Preparation Work	Book
10	Theoretical	Cell adaptation
	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



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

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	3	3	0	9
Term Project	1	0	10	10
Individual Work	3	0	5	15
Midterm Examination	1	10	1	11
Final Examination	1	15	1	16
Total Workload (Hours)				103
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be knowledgeable about the reactions of cellular organelles against injury
2	To be knowledgeable about the types of the cellular adaptation
3	To be knowledgeable about the pathogenesis of cellular adaptations
4	To be knowledgeable about the causes of developmental disorders
5	To be knowledgeable about the cellular aging mechanisms

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	
3	
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10	

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

