AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Neuromuscular Diseases in Dogs						
Course Code	VİH624		Couse Level	Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	100 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	Diagnostic techniques of neuromuscular diseases in dogs (physical and neurological examination, routine laboratory tests and special, diagnostic imaging, electrodiagnostic examination, muscle biopsy), neuropathy (hereditary, traumatic, inflammatory / infectious agents, inflammatory / immune-related, neoplastic, metabolic / endocrine, toxic / drug-related, vascular / ischemic, idiopathic, aging), neuromuscular transmission disorders (myasthenia gravis, myopathies (endocrine, metabolic, race-related, inflammatory), the clinical and laboratory findings, diagnosis and treatment.						
Course Content	See at weekly course topics.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Discussion, Case Study, Problem Solving				
Name of Lecturer(s)							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	2	10

Recommended or Required Reading

1	Larry P. Tilley, Francis W. K. Smith; Blackwell's Five-Minute Veterinary Consult: Canine and Feline, 5th Edition. Wiley-Blackwell, 2011
2	C. M. Kahn, S. Line; The Merck Veterinary Manual, 10th Edition. Merck, 2010
3	J. D. Bonagura, D. C. Twedt; Kirk's Current Veterinary Therapy XIV: Small Animal Practice. WB Saunders, 2009

Week	Weekly Detailed Course Contents	
1	Theoretical	Overview of the neuromuscular diseases in dogs
2	Theoretical	Physical and neurological examination in neuromuscular diseases,
3	Theoretical	Diagnostic methods of neuromuscular diseases
4	Theoretical	Neuropathies
5	Theoretical	Myopathies
6	Theoretical	Toxoplasmosis
7	Theoretical	Neosporosis
8	Intermediate Exam	Midterm
9	Theoretical	Hepatozoonosis
10	Theoretical	Sarcocytosis
11	Theoretical	Myastania gravis
12	Theoretical	Laryngeal paralysis
13	Theoretical	Facial paralysis
14	Theoretical	Distal polyneuropaty
15	Theoretical	Discussion
16	Final Exam	Final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	2	0	22	44
Reading	14	0	2	28
Midterm Examination	1	4	1	5

Final Examination	1	8	1	9
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Knows efficiently theoretical information about neuromuscular diseases in dogs.
2	May diagnose with clinical and laboratory techniques
3	Applicate effective and rational treatment of neuromuscular diseases in dogs.
4	Verifying prophylactic measures against neuromuscular diseases.
5	Evaluates the prognosis of patients.

Programme Outcomes *(Internal Diseases (Veterinary Medicine) Doctorate)*

1	Based on acquirements relevant to undergraduate and/or graduate levels, usage of associated information deeply, development of knowledge by several methods along with reaching peculior results.
2	Detecting relevant problems, establishing hypothesis against solution, acquirement of solving hypothesis within computational and experimental methods.
3	A systematic approach of evaluating and using new knowledge on related field.
4	Usage of previously known scientific methods related to field for advanced/newly known/occuring problems.
5	For Large and Small Animal Internal Medicine, taking into account the systemic clinical examination, realizing the true diagnosis for interpreting the clinical and laboratory findings, and the need to implement effective and rational treatment for taking prophylactic measures.
6	Detecting the problems related to Turkish animal husbandry related to herd health and prophylactic veterinary surgeon.
7	Reviewing and usage of all related data (field observations, scientific knowledge) for requirements.
8	Innovation in the field of science, the scientific method for a new area of development and application of a method known to have one of a new plan that for.
9	Following, evaluating, presenting and discussing the international literature in the field of Veterinary Internal Medicine.
10	Offering all kinds of development and innovation in the field of appropriate methods, the economic and social advancement of the society for contribution.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4
P1	4	4	4	4
P2	3	3	3	3
P3	4	4	4	4
P4	3	4	4	4
P5	4	4	4	4
P6	2	2	2	2
P7	3	3	3	3
P8	3	3	3	3
P9	2	2	2	2
P10	3	3	3	3