



NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Curriculum

1.	Course Name	PATHOLOGY II
2.	Course Code	VTE325
3.	Course Type	Obligatory
4.	Course Level	Undergraduate
5.	Year	3
6.	Semester	Fall, 5VET
7.	ECTS Credits	5
8.	National credits	4
9.	Theoretical Course Hours (hours/week)	3h/week
10.	Applied Course Hours (hours/week)	2h/week
11.	Course Prerequisites	-
12.	Other Topics Recommended for the Course	-
13.	Course Language	English
14.	Course Format	Online
15.	Course Coordinator	Prof. Dr. Ahmet Aydoğan
16.	Other Lecturers that Give the Course	-
17.	Communication Details of the Coordinator	ahmet.aydogan@neu.edu.tr
18.	Course Web Address	-

19.	Course Aim	It is aimed to define the pathological findings related to the respiratory system, urinary system, nervous system, cardiovascular system, hematopoietic system and reproductive system in domestic animals.
20.	Contribution of the Course to Occupational Development	Students completing this course will learn the principles of diagnosis of diseases seen in domestic animals by making connections between basic medical sciences and clinical sciences.

21.	Course Learning Outcomes	LO1	To learn the pathology of respiratory system
		LO2	To learn the pathology of urinary system
		LO3	To learn the pathology of nervous system
		LO4	To learn the pathology of cardiovascular system
		LO5	To learn the pathology of hematopoietic system
		LO6	To learn the pathology of reproductive system

22.	Course Content	Week	Theoretical Course Content	Practice Content
		1.	Pathogenesis of respiratory system diseases, Pathology of Nasal cavity and sinuses, Laryngitis and Tracheitis	Necropsy practices Microscopy practices
		2.	Pathology of bronchi, bronchioles, and lungs, General pulmonary circulatory disorders, Emphysema, Atelectasis	Necropsy practices Microscopy practices
		3.	Pneumonia, Special Forms of Pneumonia, Specific Infectious Pneumonias	Necropsy practices Microscopy practices
		4.	Renal Failure, Azotemia and Uremia, Dysfunction/Responses to Injury in kidneys,	Necropsy practices Microscopy practices
		5.	Diseases of the Renal Pelvis, Urinary system diseases by domestic animal species, Disorders of the Lower Urinary Tract and Inflammatory Diseases	Necropsy practices Microscopy practices
		6.	Ground Rules for Understanding Injury in the Central Nervous System, Circulatory System Disorders, Spongiform Changes, Malformations	Necropsy practices Microscopy practices
		7.	Midterm exam	
		8.	Inflammation of the Central Nervous System, Toxicoses, Nutritional Disorders, Disease Processes Affecting Myelin Formation and Maintenance	Necropsy practices Microscopy practices
		9.	Diseases Caused by Microbes in the Central Nervous System, Degenerative Diseases in the Central Nervous System	Necropsy practices Microscopy practices

		10.	Pathology of Bone Marrow and Blood Cells, Pathology of Lymphoid/Lymphatic System	Necropsy practices Microscopy practices
		11.	Heart failure, Cardiac syncope, Heart anomalies, Hydro and Hemopericardium, Pericarditis, Endocarditis, Myocardial degenerations, Myocarditis	Necropsy practices Microscopy practices
		12.	Vascular system diseases, Vasculitis, Vascular anomalies, Arteriosclerosis, Atherosclerosis, Arterial thrombosis and embolism, Arteritis, Lymph vessel diseases, Lymphangitis	Necropsy practices Microscopy practices
		13.	Female genital system anomalies, Hermaphrodism, Freematinism, Mesonephric Tubulus and Duct Cysts, Ovarian tract anomalies and diseases, Uterine anomalies, Inflammatory diseases of the uterus	Necropsy practices Microscopy practices
		14.	Fetal deaths (mumification, maceration), Abortion and stillbirth, Infections causing abortion Male genital system anomalies, Testicular circulation disorders, Testicular degenerations, Testicular hypoplasia, Orchitis, Bacterial infection of testicles, Testicular inflammations.	Necropsy practices Microscopy practices
23.	Course Book, References and/or Other Resources	<ol style="list-style-type: none"> 1. Maxie G (Editor). Jubb, Kennedy & Palmer's Pathology of Domestic Animals. 5th Edition, Saunders Ltd., 2007. 2. Sav A, Özdamar ŞO (Çeviri Editörleri). Robbins ve Cotran Hastalığın Patolojik Temeli. 7. Baskı, Güneş Tıp Kitabevleri, 2009. 3. Metin N (Editör). Veteriner Patoloji. 1. Baskı, 2011. 4. Hazıroğlu H, Milli ÜH (Editörler). Veteriner Patoloji. 2. Baskı, 2000. 5. Zachary JF (Editor). Pathologic basis of veterinary disease. 6th Edition, Elsevier, St. Louis, Missouri, USA, 2017. 6. Erer H., Çiftçi M.K., Ortatatlı M., Hatipoğlu F., Özdemir Ö. Veteriner Sistemik Patoloji Cilt II, Nobel Tıp Kitapevleri, 5. Basım, 2021. 		

24.	Evaluation	Semester Work	Number	Percentage of Contribution
		Midterm Exam	1	40
		Homework, Performance	1	10
		End of Year Exam	1	50
		Total	3	100
		Evaluation Approaches	Multiple choice and classical written exam	

25.	ECTS / Workload Table	Activity	Number	Duration [Hours]	Total Workload [Hours]
		Theoretical Courses	14	3	42
		Applied Courses	14	2	28
		Extracurricular Lesson Study Time (Preparation, revising)	14	4	56
		Homework, Performance	1	22	22
		Projects			
		Field Studies			
		Mid-term Exams	1	1	1
		Other			
		End of Semester Exams	1	1	1
		Total Workload			150
		Total Workload / 30 hours			150/30
		Course ECTS Credits			5