

Template 2

**Jordan University of Science and Technology**  
**Faculty/College of Veterinary Medicine**  
**Department of Pathology and Public Health**  
**Second Semester 2020/2021**  
**Course Specifications**

Title & Instructor	
<b>Course Title</b>	Special Veterinary Pathology
<b>Course Number</b>	VM352
<b>Prerequisites</b>	General Pathology
<b>Course Website</b>	Microsoft teams
<b>Instructor</b>	Wael Hananeh, DVM, Msc,ACVP.
<b>Office Location</b>	Veterinary Medicine
<b>Office Phone</b>	22049
<b>Office Hours</b>	Sun, Mon, Thu, 8:30-10:30
<b>E-mail</b>	whananeh@just.edu.jo
<b>Teaching Assistant</b>	Not available

Course Aims and Objectives	
The <b>aim</b> of this course is to teach the veterinary students the main pathological lesions and the pathogenesis of animal diseases affecting the different systems.	
Objectives	Weights
<b>1) To introduce animal diseases, pathogenesis and lesions of the respiratory system with emphasis on farm animals.</b>	<b>25%</b>
<b>2) To introduce animal diseases, pathogenesis and lesions of the digestive system with emphasis on farm animals.</b>	<b>30%</b>
<b>3) To introduce animal diseases, pathogenesis and lesions of the renal system with emphasis on farm animals.</b>	<b>15%</b>
<b>4) To introduce animal diseases, pathogenesis and lesions of the cardiovascular system with emphasis on farm animals.</b>	<b>15%</b>
<b>5) To introduce animal diseases, pathogenesis and lesions of the nervous system with emphasis on farm animals.</b>	<b>15%</b>

Course Description

Text Book & References	
<b>Title</b>	Pathologic Basis of Veterinary Disease
<b>Author(s)</b>	James F. Zachary

## Template 2

<b>Publisher</b>	Mosby
<b>Year</b>	2017
<b>Edition</b>	6th
<b>Book Website</b>	<a href="https://www.sciencedirect.com/book/9780323357753/pathologic-basis-of-veterinary-disease#book-description">https://www.sciencedirect.com/book/9780323357753/pathologic-basis-of-veterinary-disease#book-description</a>
<b>References</b>	

<b>Intended Student Learning Outcomes(ISLOs)</b>		
Upon successful completion of this course, students should be able to:		
ISLOs	Related Objective(s)	Reference(s)
1. Identify the main pathological lesions of the RS.		
2. Identify the main pathological lesions of the GI system.		
3. Identify the main pathological lesions of the RS.		
4. Identify the main pathological lesions of the CVS.		
5. Identify the main pathological lesions of the NS.		

<b>Teaching &amp; Learning Methods</b>
<ol style="list-style-type: none"> <li>1. Lectures with pictures; data show</li> <li>2. Flip charts</li> </ol>

<b>Assessment</b>		
Assessment Type	Expected Due Date	Weight
<b>First Exam</b>	3-4 <sup>th</sup> week	25%
<b>Second Exam</b>	7-8th week	25%
<b>Final Exam</b>	13 <sup>th</sup> week	40%
<b>Assignments, Participation &amp; Projects</b>	Before 12 <sup>th</sup> week	10%

<b>Useful Resources</b>
Textbook, References, Class notes, Internet, LINDO, LINGO and Excel

<b>Course Content</b>		
Week	Topics	Chapter in Text/handouts
1	<ol style="list-style-type: none"> <li>1. Pathology of digestive system-</li> <li>2. Introduction to the physiology of the GI, oral cavity, mucosal membranes,</li> </ol>	Chapter xxx (sections xxx).

Template 2

	3. Vesicular diseases (FMD, BVD, PPR, MCF, BT, Vesicular stomatitis, Contagious echthyma, pox, BPS, Actinobacillosis, actinomycosis..etc)	
2	4. Vesicular diseases (FMD, BVD, PPR, MCF, BT, Vesicular stomatitis, Contagious echthyma, pox, BPS, Actinobacillosis, actinomycosis..etc)	Chapter xxx (sections xxx).
3	Pathology of digestive system- gastric diseases: Typmany, grain overload, parvo, clostridia, parasitic.....etc	Chapter xxx (sections xxx).
4	Pathology of digestive system- Enteritis and diarrhea, E.Coli, Corona, Rota, Coccidiosis, cryptosporidiosis, Clostridia, johns, Equine granulomatous enteritis, Colitis X....etc	Chapter xxx (sections xxx).
5	1- Respiratory System: Physiology and anatomy of RS 2- Immune system of RS 3- Diseases of upper respiratory system	Chapter xxx (sections xxx).
6	4- Bronchitis, Bronchiolitis, General pathological conditions of the lungs (congestion, edema, infarction, hemorrhages....etc)	Chapter xxx (sections xxx).
8	5- Pneumonias, types, causes, bacteria, viral, parasitic, fungal pneumonia	Chapter xxx (sections xxx).
9	1. Physiology and anatomy of kidneys. 2. General pathological condition. 3. Renal failure and types, definitions of important terms, causes of renal, nephrotic syndrome , 4. Glomerulonephritis; types and cause pathogenesis 5. Nephrosis; types and cause pathogenesis 6. Interstitial nephrosis, pathogenesis and causes 7. Pyelonephritis; pathogenesis and causes	Chapter xxx (sections xxx).
10	1. Heart failure, types, causes 2. Pericarditis 3. Endocarditis	Chapter xxx (sections xxx).
11	4. Athereoschlorisis  1. Nervous System: general conditions of the brain and spinal cords.	Chapter xxx (sections xxx).
12	2. Rabies, Listeriosis...etc 3. Scrapie, Mad cow disease 4. Parasitic Diseases	Chapter xxx (sections xxx).
13	<b>Final Exam</b>	Chapter xxx (sections xxx).
14		Chapter xxx (sections xxx).
15		Chapter xxx (sections xxx).

**Additional Notes**

<b>Exams</b>	All exams are closed book and notes. The final exam is comprehensive (80% of the material
--------------	---

## Template 2

	from the final). Incomplete exams according to the regulation of the university.
<b>Cheating</b>	<b>Prohibited;</b> and in case of cheating the student will be subject to punishment according to the .....
<b>Attendance</b>	According to the policy of the university.
<b>Participation</b>	10% of the grades
<b>Laboratory</b>	Not applied
<b>Withdraw</b>	