

Jordan University of Science and Technology
Faculty of Veterinary Medicine
Department of Veterinary Pathology and Public Health
Second Semester 2016/2017
VM 531 Zoonotic Diseases

Title & Instructor	
Course Title	Zoonotic Diseases
Course Number	VM 531
Prerequisites	VM 530- Veterinary Infectious diseases Clinic
Course Website	
Instructor	Dr. Mohammad M. Obaidat
Office Location	C1L1
Office Phone	027201000 Ext. 22106
Office Hours	Sunday 12:30-1:30 Tuesday 10:30-11:30, 12:30-1:30 Wednesday 12:30-1:30 Thursday 12:30-1:30 Upon request by e-mail. Student can come to see me in any other time, but that will be based on my availability.
E-mail	mmobaidat@just.edu.jo
Teaching Assistant	None

Course Aims and Objectives

The aim of this course is to educate students on the diseases that can be transmitted from animals to human, their routes of transmission and veterinary precautions that safeguard the veterinarians against these diseases.

Objectives	Weights
1) To introduce and illustrate methods of zoonotic disease transmission	30%
2) To introduce the hallmarks of zoonotic disease clinical signs in animals and human	30%
3) To learn the methods of zoonotic disease prevention methods	40%

Course Description

This course covers the most important zoonotic diseases that represent threat to humans (animal health providers, farmers, animal owners and food animal consumers). Issues related to biosecurity and self-protection will be discussed.

Text Book & References

Title	Human-Animal Medicine, Clinical Approach to Zoonoses, Toxicants and other shared health risks
Author(s)	Peter M. Rabinowitz and Lisa A. Conti
Publisher	Saunders/Elsevier
Year	2010
Edition	1 st
Book Website	Available, RA639 .R33 2010, JUST Main Library General
References	

Intended Student Learning Outcomes (ISLOs)

Upon successful completion of this course, students should be able to:

ISLOs	Related Objective(s)	Reference(s)
Identify the major zoonotic disease in Jordan	x,x,x	Chapter xxx/ Text
Know the major methods of zoonotic diseases transmission	x,x,x	Chapter xxx/ Text
Identify the highest risk veterinary practices	x,x,x	Chapter xxx/ Text
Learn the methods of major zoonotic diseases prevention and control procedure		

Teaching & Learning Methods
Lecture and open discussions.

Assessment		
Assessment Type	Expected Due Date	Weight
First Exam	February 26/2017– 5 th week	30%
Second Exam	April 2/2017 – 10 th week	30%
Final Exam	According the finals exams schedule by registers office	40%
Assignments & Projects		0%

Useful Resources
Textbook, References, Class notes, Internet, LINDO, LINGO and Excel

Course Content

Week	Topics	Chapter in Text/handouts
	Bacterial Agents:	Chapter xxx (sections xxx).
1	Brucellosis and Anthrax	PowerPoint presentations
2	Tuberculosis and other mycobacterial infections, Glanders and Lyme borreliosis	PowerPoint presentations
3	Plaque and Q-fever	PowerPoint presentations
4	Tularemia and Leptospirosis	PowerPoint presentations
5	Foodborne illnesses (Campylobacteriosis, <i>Escherichia coli</i> O157:H7, Salmonellosis) and MRSA <i>S. aureus</i>	PowerPoint presentations
6	Bartonella infections (Cat scratch disease), Psittacosis/avian chlamydiosis	PowerPoint presentations
	Viral Diseases	
7	Rabies and Rift Valley fever virus	PowerPoint presentations
8	West Nile virus and Viral Hemorrhagic fever	PowerPoint presentations
9	Avian influenza and Newcastle disease and Middle East Respiratory Syndrome Coronavirus	PowerPoint presentations
	Parasitic diseases	
10	Protozoa: Toxoploamosis and Leishmaniasis	PowerPoint presentations
11	Nematodes: Giardiasis, and Cryptosporidiosis, Toxocara infestation	PowerPoint presentations
12	Cestodes: Taeniasis, Cysticercosis, Echinococcosis, and Diphylobothriosis	PowerPoint presentations
	Selected Topics:	
13	Compendium of Veterinary Standard Precautions for Zoonotic Disease Prevention in Veterinary Personnel Methods and microbial risks associated with composting of animal carcasses	PowerPoint presentations
14	Humans and Cattle: A Review of Bovine Zoonoses	Review paper

Additional Notes

Exams	All exams are closed book and notes. The final exam will include 20% of the questions from the first and second exam material and 80% from the final material. Incomplete exams need approval from the Dean. The instructor can accept valid excuses from the students.
Cheating	Prohibited; and in case of cheating the student will be subject to punishment according to the University regulations as outlined in the students' university handbook.
Attendance	According to the University policy. Only 20% allowed which included excused and un-excused absences. (6 lectures absence will dismiss you from the class)- Attendance will be taken and entered online at end of each lecture
Participation	Participation is encouraged
Laboratory	No laboratory work required
Withdraw	According to the University policy