

Jordan University of Science and Technology
Faculty of Veterinary Medicine
Department of Basic Veterinary Medical Sciences
Second Semester

Course Information	
Course Title	VETERINARY VIROLOGY
Course Number	VM 230
Prerequisites	
Course Website	
Instructor	Dr. Mustafa Mohammed-khair ababneh
Office Location	G3
Office Phone	22014
Office Hours	TUESDAY, THURSDAY 11:15 to 12:15
E-mail	ababnem@just.edu.jo
Teaching Assistant	
Course Description	
<p>Veterinary virology course has two parts: the first part will introduce the students to basic concepts in virology like replication, classification and pathogenesis. the second part will focus on families of viruses and explore more about their structure, pathogenesis and diseases.</p>	

Text Book	
Title	Veterinary Virology
Author(s)	Fenners
Publisher	
Year	2011
Edition	4 th
Book Website	N/A
References	
Text Book	
Title	Virology: principles and applications
Author(s)	carter
Publisher	wiley
Year	2007
Edition	1 st
Book Website	
References	
Text Book	
Title	Fields virology 5 th edition
Author(s)	David M.knipe and Peter Howley
Publisher	
Year	2007
Edition	
Book Website	N/A
References	

Assessment Policy		
Assessment Type	Expected Due Date	Weight
First Exam		30%
second Exam		30%
Final exam		40%

Course Objectives	Weights
1) obtain basic about knowledge about new topics in virology, its replication, control and pathogenesis	60%
2) Introduce the students to new diagnostic tools mainly for viral disease.	40%

Teaching & Learning Methods
Power Point lectures Power point animations Web-based animations Published articles

Useful Resources
Web-Based lab instruction Web-Based Animations

Course Content		
Week	Topics	Chapter in Text (handouts)
1	Introduction to virology+ Classification and nomenclature of viruses	
2	Viral replication-1	
3	Viral replication-2	
4	Viral replication-3	
5	Viral –cell interaction and pathogenesis	
6	Immuno response to viruses	
7	Viral genetics+ Origins and evolution of viruses	
8	Vaccination against viral disease+ recombinant viral vectors	
9	Laboratory diagnosis of viral infections	
10	Herpesviruses +dsDNA viruses	
11	Parvoviruses +ssDNA viruses	
12	Reoviruses + dsRNA viruses	
13	Picornaviruses + plus-strand RNA viruses	
14	Rhabdoviruses + minus-strand RNA viruses	
15	Retroviruses	
16	Emerging viruses+ Viruses and cancer	

