



University: - South Valley University

Faculty:-Veterinary medicine

Course Specifications

Programme(s) on which the course is given: Bachelor Degree of Veterinary Science

Major or Minor element of programmes: Major

Department offering the programme: Zoonoses

Department offering the course: Zoonoses

Academic year / Level: 2009/2010

Date of specification approval: 22 / 12 / 2009

A- Basic Information

Title: Zoonoses

Lecture: 45

Practical: 30

Code:515

Total: 75

B- Professional Information

1 – Overall Aims of Course

After completion of this course, graduates must be able to:

- 1- Understanding the term of Zoonoses and recognize the different classification of Zoonoses.
- 2- Understanding of Zoonotic diseases in their etiological and social contexts.
- 3- Develop a broad overview of the Zoonotic diseases
- 4- Be familiar with host spectrum and to understand the implications of accidental or reservoir hosts.
- 5- Impart health education to the public about the animal reservoirs, sources of infections, mode of transmission, risk factors for humans, hygiene and preventive measures against commonly occurring zoonoses
- 6- Recommend the ways to diminish/stop the existing transmission of the diseases and to prevent the risk of further transmission of the zoonotic agent from animals to man and vice versa.
- 7- Study the socio-economic aspects of Zoonoses

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

Graduates must acquire the following knowledge and understanding about:-

- a1- Zoonotic diseases.
- a2- Bacterial, viral, mycotic, Rickettsial, Chlamydia and parasitic zoonotic diseases
- a3- Rodent control.

a4- Classification of zoonotic diseases

b- Intellectual Skills:

Graduates must have the ability to:

b1- Deal with bacterial, viral, mycotic, Rickettsial, Chlamydia and parasitic zoonotic diseases

b2- select the best different methods for diagnosis.

b3- Deal with epidemiology of zoonotic diseases.

c- Professional and Practical Skills

Graduates must attain the capacity to:

c1- Detect zoonotic diseases.

c2- Deal with cases of zoonotic diseases.

c3- Evaluate zoonotic diseases.

c4- Evaluate the epidemiology of newly introduced zoonotic diseases.

d- General and Transferable Skills

Graduates must have the ability to:

d1- Report and essay on the different scientific items in the field of zoonotic diseases.

d2-Report of the facts using printable sheets in the field of zoonotic diseases.

d3- Work in groups and team.

d4- Use computer and internet to extract information and knowledge.

3- Contents

Topic	No. of hours	Tutorial/Practical
Introduction, Epidemiological patterns, Emerging zoonoses & Classification of Zoonotic Diseases.	4	Diseases transmitted by rodent to man and rodent species
Zoonotic Tuberculosis, Brucellosis, Listeriosis, Tularemia, Anthrax.	4	Rodent control (permanent method)
Pasteruollosis, Glanders, Q Fever, Foot & Mouth Disease, Rift valley fever	4	Rodent control (temporary method)
Toxoplasmosis, Leptospirosis, Swine Erysipelas, Cat Scratch Fever, CPD.	4	The most common diagnostic tests used for detection of zoonotic diseases.
Milker's nodules, Newcastle Disease, Ebola, Rabies, Mange.	4	The most common diagnostic tests used for detection of zoonotic diseases
Ringworm, Sporotrichosis, Parrot Fever, Aspergillosis.	4	ELISA- PCR
Histoplasmosis, Coccidioidomycosis, Influenza, Salmonellosis.	4	Slides
Staphylococcosis, Clostridial food poisoning, E.coli O157H7, Campylobacteriosis.	4	slides
Trichinosis, Taeniasis, Cysticercosis, Hydatid Disease, Sarcocystosis.	4	photos
Diphyllobothriasis, Heterophyidiasis, Toxocariasis, Fascioliasis, West Nile Fever, Yellow Fever.	4	photos
Human Plague, Endemic typhus fever, Leishmaniasis, Trypanosomiasis, Hymenolepiasis.	4	The role of animals in transmitting diseases to man
Transmissible Spongiform Encephalopathies (TSEs),	4	different vaccines used in zoonotic diseases

4– Teaching and Learning Methods

4.1- Lecturing

4.2- Discussion sessions

5- Student Assessment Methods

5.1- Examination:

Midterm and Written exam (essay) to measure a1-c6

Practical exam to measure c1 – c4

Oral exam to measure b1-b3

5.2- Time Schedule

Midterm (multiple choice questions) 3.... Week 8

Practical exam	Week 14
Final exam	Week 16
Oral exam	Week 16

5.3- Grading System

Mid-Term Exam. 20%
 Final Term Exam 50%
 Oral Exam 20%
 Practical Exam 10 %

5.4- Tools:- -

Assignments which are:-

- 1- Formulation of posters to illustrate certain items of the course.
- 2- Formulation of essays on certain subjects of the course.
- 3- Scientific activities as doing power point presentations for the zoonotic diseases.

Weighting of Assessments

Mid-Term Examination	20%
Final-term Examination	50%
Oral Examination	20%
Practical Examination	10%
Semester Work	---%
<u>Other types of assessment</u>	<u>--- %</u>
Total	100%

Any formative only assessments

6- List of References

6.1- Course Notes

Department course notes (lectures and practical)

6.2- Required Books (Text Books)

None

6.3- Recommended Books

6.3.1-A textbook on General and Microzoonoses (2003), Dalject Chhabra and Sushrut Arora. Jitendar P Vij, Jaypee Brothers Medical Publishers (P) Ltd. India.

6.3.2-Control of Communicable Diseases Manual (2000). American Public Health Association, James Chin 17th Edition.

6.3.3- Zoonoses (2002). Martin Shakespeare. Published by the Pharmaceutical press.

6.3.4- Zoonoses (Biology, clinical practice and public health control) (1998). Palmer, S.R.; Soulsby, L and Simpson, D.I.H. Oxford University Press. Inc. New Work.

6.3.5- Zoonoses and communicable diseases common to man and animals (1991). Acha, N.P. and Szyfres, B. Second Edition. Pan Americ Health Organization.

6.4- Periodicals, Web Sites, ... etc

www.pubmed.com , www.Altavista.com, www.WHO.com

7- Facilities Required for Teaching and Learning

-Providing class rooms with multimedia system.

- Providing class rooms with Modern dissecting microscopy
- Availability for field studies and some facilities to make it for collecting specimens.
- Availability of computers for students to communicate with internet and providing them with electronic library

Course Coordinator: Prof. Dr. Asmaa Abd El-Nasser

Head of Department: Prof. Dr. Farouk Amin Ahmed

Date: 22 /12 /2009