University: South Valley **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: Animal Medicine

Department offering the course: Animal Medicine

Academic year / Level: 4th year (second semester)

Date of specification approval: 22-12- 2009

A- Basic Information:

Title: Infectious diseases (2nd part) **Code:** 423

Credit hours:

Lecture: 2 hrs / week / Semester

Tutorial:

Practicals: 2 hrs / week / Semester

Total: 4 hrs / week / Semester

B- Professional Information:

1 – Attributes of the graduates of Veterinary Medicine

The graduate must be able to:

1.1. Be committed to continuous enhancement, coping with the most recent effective and efficient performance standards of the veterinary profession, and gaining community confidence.

1.2. Apply research concepts and technologies in different fields of veterinary sciences.

1.3. Describe and identify sheep viral, bacterial and parasitic diseases.

1.4. Acquiring broad knowledge about equine viral, bacterial and parasitic diseases.

1.5. To know types of parasitic and protozoal diseases.

1.6. The students will be able to determine newly born animal diseases.

2 – Intended Learning Outcomes of Course (ILOs)

2. A. Knowledge and Understanding:

Graduates of Veterinary Medical program must acquire the following knowledge and understanding :

2. A.1. Basic knowledge about terminology in infectious diseases.

2. A.2. Basic knowledge about diagnosis of infectious diseases.

2. A.3. Basic knowledge about clinical microbiology and parasitology

2. A.4. Basic knowledge about serology, allergic tests (Mallien), Immunity and vaccination.

2. A.5. Basic knowledge about blood smear examination.

2. A.6 Basic knowledge about epidemiology.

2. B. Intellectual Skills:

2. B.1. Foster critical thinking and scientific curiosity.

2. B.2. Proficiently secure diagnostic reasoning, develop problem lists and differential diagnosis in order to deductively and critically reach the most appropriate solution (s) and management of the addressed clinical problems.

2. B.3. To deal with infectious diseases in different animals.

2. B.4. To choose different stains for diagnosis of infectious diseases.

2. B.5. To know how to deal with allergic tests (tuberculin), immunity and vaccination.

2. B.6. Dealing with clinical cases in different animals.

2. C. Professional and Practical Skills:

Graduates must attain the capacity to:

2. C.1. Employ all the gained knowledge and understanding in clinical practice in a skillful pattern.

2. C.2. Safely, correctly and humanely restrain animals for examination.

2. C.3. Ability to diagnose, treat and control infectious diseases.

2. C.4. Ability to deal with intramammary secretions for diagnosis of mastitis pathogens.

2. C.5. Ability to evaluate results of allergic tests

2. C.6. Ability to evaluate immunity and vaccination program.

2. C.7. Ability to understand epidemiology of infectious diseases.

2. D. General and Transferable Skills:

Graduates must have the ability to:

2. D.1. Work under pressure and / or contradictory conditions.

2. D.2. Ability to write reports and essay on the different scientific items in the field of infectious diseases.

2. D.3. Reporting of the facts using printable sheets in the field of infectious diseases.

2. D.4. Ability to write a full scientific reports in the field of infectious diseases.

2. D.5. Ability to working in groups and team.

2. D.6. Ability to use computer and internet to extract information and diseases.

3- Contents:

-Lectures:

Topics	No. of hours
Diacritical Notes on Advanced Veterinary Epidemiology	2
Cattle Viral Diseases (Part I)	2
Cattle Viral Diseases (Part II)	2
Cattle Viral Diseases (Part III)	2
Cattle Bacterial Diseases (Part I)	2
Cattle Bacterial Diseases (Part II)	2
Infectious Diseases of Mammary gland	2
Infectious Skin Diseases of Domesticated Animals	2
Infectious Canine Diseases (Guarding and Housing Dogs)	2
Infectious Feline Diseases (Housing Cats)	2
Notes on Specific Infectious Diseases of Buffaloes and Camels	2
Vaccination Programs on dairy and Beef Cattle (Buffaloes) Farms	2
Total	24

-Practical:

Topics	No. of hours
Diacritical Notes on Advanced Epidemiology	2
Full Notes on Conventional Methodology in diagnosing of Bacterial Diseases	2
Brief Notes on Recent Methodology in diagnosing of Bacterial Diseases	2
Humeral, Cell-mediated, Delayed Hypersensitivity reactions and Tuberculin	2
Field Tuberculin Test in Dairy Cattle and Buffaloes	2
Practical training on detection of Mastitis Pathogens in samples of intramammary secretions	2
Practical training on diagnosis of subclinical Mastitis of Dairy Animals (Cow and Buffaloes)	2
Diagnosis of Infectious Skin Diseases of Domesticated Animals	2
Immunity, Vaccine and Vaccination Schedules (Part I)	2
Immunity, Vaccine and vaccination Schedules (Part II)	2
Failure of Vaccination programs in Dairy and Beef Farms	2
Scientific Photos (Photographic Cards & Data-Show)	2
Total	24

4– Teaching and Learning Methods:

4.1. Lecturing.

4.2. Discussion sessions.

4.3. Practical sessions to gain practical skills.

4.4. Field trips to visit animal and poultry farms.

5- Student Assessment Methods:

5.1. Mid-Term examination to assess the intended learning outcomes in half of the semester.

5.2. Practical examination to assess intended learning and practical skills outcomes.

5.3. Final-term Examination to assess the intended learning outcomes in whole semester.

5.4. Oral examination to assess the intended learning and skills outcomes in whole subject and related veterinary science.

Assessment Schedule :

Assessment 1: Mid-Term examination.Week (8th week of the semester)

Assessment 2: Practical examination.Week (13th week of the semester)

Assessment 3: Final-term examination.Week (14th week of the semester)

Assessment 4: Oral examination.Week (15th week of the semester)

Weighting of Assessments:

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

Any formative only assessments

6- List of References

6.1. Course Notes

Department course notes (lectures and practical)

6.2. Essential Books (Text Books)

None

6.3. Recommended Books

6.3.1. Lecturer Notes on Infectious Diseases Nandal, B.K and Others

6.3.2. Infectious Tropical Diseases of Domestic Animals by Losses, G.

6.3.3. Veterinary Medicine by Blood D.C. Radostits, C.M and Henderson J.A.

6.4. Periodicals, Web Sites, etc

www.pubmed.com

www.sciencedirect.com

7- Facilities Required for Teaching and Learning:

7.1. Providing class rooms with multimedia system.

7.2. Providing class rooms with Modern dissecting microscopy.

7.3. Availability for field studies and some facilities to make it for collecting specimens.

7.4. Arranging for some visits for modern instruments used in biology like electron Microscopy.

7.5. Availability of computers for students to communicate with www and providing them with electronic library.

Course Coordinator:

Prof. / Ahmed zaitoun

Head of Department:

Prof. / M. Nour Ismail

Date: 22/12 / 2009