



كلية الطب البيطري

وحدة ضمان الجودة والإعتماد

جامعة جنوب الوادي

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:** Pathology and Clinical Pathology Department.

**Department offering the course:** Pathology and Clinical Pathology Department.

**Academic year / Level:** 4<sup>th</sup> year (first semester)

**Date of specification approval:** 22-12- 2009

#### A- Basic Information:

<b>Title:</b>	Clinical Pathology
<b>Code:</b>	416
<b>Credit Hours:</b>	
<b>Lecture:</b>	2 hrs / week / Semester
<b>Tutorial:</b>	
<b>Practical:</b>	4 hrs / week/ Semester
<b>Total:</b>	6 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. Acquiring broad knowledge about clinical pathology.
- 1.3. To type of viral, bacterial, mycotic, hematological and anemic 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. Various causes of animal diseases, their pathogenesis, macro- and micro-scopic pathological lesions, and laboratory diagnosis.
2. A.2. Basic knowledge about clinical pathology.
2. A.3. Basic knowledge about viral, bacterial, mycotic, haematological and anemic diseases.
2. A.4. Describe normal conditions in different animal species and become able to identify the pathological cases which affect all animal species.
2. A.5. Describe the etiology, pathogenesis, clinical symptoms, investigations and prognosis of the most important disease condition.

## **2. B. Intellectual Skills:**

Graduates must have the ability to:

2. B.1. Foster critical thinking and scientific curiosity.
2. B.2. To deal with pathological cases of viral, bacterial, mycotic, hematological and anemic diseases.
2. B.3. To choose different pathological stains for diagnosis.
2. B.4. To know how to deal with pathological samples.
2. B.5. Dealing with pathological cases in different animals.

## **2. C. Professional and Practical Skills:**

Graduates must attain the capacity to:

2. C.1. Perform clinical examination of diseased cases and collect relevant samples.
2. C.2. Appropriately select and interpret findings of the common clinical and laboratory diagnostic procedures to reach and adopt the most convenient therapeutic and management approach
2. C.3. Ability to detect macroscopical and microscopical pathological diseases.
2. C.4. Ability to understand different diagnostic pathological diseases.

## **2. D. General and Transferable Skills:**

2. D.1. Work under pressure and / or contradictory conditions.
2. D.2. Organize and control tasks and resources.
2. D.3. Ability to write reports and essay on the different scientific items in the field of animal pathology.

- 2. D.4. Reporting of the facts using paintable sheets in the field of animal pathology.
- 2. D.5. Ability to write a full scientific reports in the field of animal pathology.
- 2. D.6. Ability to working in team \and groups.
- 2. D.7. Ability to use computer and internet to extract knowledge and information.

### **3- Contents**

#### **A -Lectures:**

<b>Week</b>	<b>Topic</b>	<b>No. of hours</b>
1 <sup>st</sup> week	Bacterial diseases (clostridium infection)	2
2 <sup>nd</sup> week	Bacterial diseases (pseudomonas and corynebacterium infection)	2
3 <sup>rd</sup> week	Bacterial diseases (bordtella infecion, actinomycosis and necrobacillosis infection)	2
4 <sup>th</sup> week	Bacterial diseases (T.B., John's disease and brucellosis )	2
5 <sup>th</sup> week	Bacterial diseases (Pasteurollosis, salmonellosis, leisteriosis and leptospirosis)	2
6 <sup>th</sup> week	Mycotic diseases( trichophytosis, rhinosporidiosis, sporotrichosis, blastomycosis, and coccididomycosis)	2
7 <sup>th</sup> week	Viral diseases in cattle	2
8 <sup>th</sup> week	Viral diseases in cattle	2
9 <sup>th</sup> week	Viral diseases in sheep	2
10 <sup>th</sup> week	Viral diseases in equine and canine	2
11 <sup>th</sup> week	Hematology	2
12 <sup>th</sup> week	Infections caused anemia	2
<b>TOTAL</b>		<b>24</b>

## B- Practical:

<b>Topic</b>	<b>No. of hours</b>
Bacterial diseases (clostridium infection)	4
Bacterial diseases (pseudomonas and corynebacterium infection)	4
Bacterial diseases (bordtella infecion, actinomycosis and necrobacillosis infection)	4
Bacterial diseases (T.B., John's disease and brucellosis )	4
Bacterial diseases (Pasteurollosis, salmonellosis, leisteriosis and leptospirosis)	4
Mycotic diseases( trichophytosis, rhinosporidiosis, sporotrichosis, blastomycosis, and coccididomycosis)	4
Viral diseases in cattle	4
Viral diseases in cattle	4
Viral diseases in sheep	4
Viral diseases in equine and canine	4
Hematology	4
Infections caused anemia	4
Total	48

## 4- Teaching and Learning Methods:

- 4.1. Lectures.
- 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 exam. Week (8<sup>th</sup> week of the semester).
- Assessment 2: Practical exam. Week (13<sup>th</sup> week of the semester).
- Assessment 3: Final-term exam. Week (14<sup>th</sup> week of the semester).
- Assessment 4: Oral exam. Week (15<sup>th</sup> week of the semester).

### **Weighting of Assessments**

Mid-Term Examination	15%
Final-term Examination	50%
Oral Examination.	15%
Practical Examination	15%
Semester Work	5%
<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. Essential Books (Text Books)**

Veterinary pathology: Jones, T.C.; Hunt, R.D. and King, N.W.

Pathology of Domestic Animals: Jubb, K.V.F.; Kennedy, P.C. and Palmer, N.

General Veterinary Pathology: Thomson, R.G.

### **6.3. Recommended Books**

Special Veterinary Pathology: Carlton, W.W. and McGavin, M.

#### **6.4. Periodicals, Web Sites ...etc**

[www.Pubmed.com](http://www.Pubmed.com).

www.sciencedirect.com.

#### **7- Facilities Required for Teaching and Learning:**

- Providing classrooms with system.
- Providing classrooms with modern dissecting microscopy.
- Computers.

#### **Course Coordinator:**

Prof. / Mahmud Abd El Zaher

Dr. / Mouchira Mohammed Mohe El Din

#### **Head of Department:**

Dr. / Mouchira Mohammed Mohe El Din

**Date: 22 /12 / 2009**