



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: Department of poultry and rabbit diseases

Department offering the course: Department of poultry and rabbit diseases

Academic year / Level: fifth year "Second semester"

Date of specification approval:

A- Basic Information

Title: Poultry & Rabbit diseases

Code: 524

Lecture: 2 hours

Practical: 3 hours

Total: 5 hours

B- Professional Information

1 – Overall Aims of Course

1. Training on correct interpretation of results to reach proper diagnosis of diseases.
2. The student should be able to diagnose, treat, and control avian and rabbit diseases.
3. The students will be able to deal with problems of poultry farms.

2 – Intended Learning Outcomes of Course (ILOs)

b- Knowledge and Understanding:

Graduates of poultry and rabbit diseases deplume must acquire the following knowledge and understanding:

1. Basics of normal management, breeding, veterinary economics, and health maintenance of poultry.
2. Principle of welfare, production, and health maintenance of poultry.
3. Various causes of poultry diseases, their pathogenesis, macro-and microscopic pathological lesions, and laboratory diagnosis.
4. The most appropriate diagnosis and differential diagnosis of poultry and rabbit diseases.

c- Intellectual Skills

The graduate must have the ability to:

1. Foster critical thinking and scientific curiosity.
2. Proficiently secure diagnostic reasoning, develop problem lists and differential diagnosis in order to reach deductively and critically the most appropriate solution (s) and managed of depulme of poultry and rabbit clinical problems.
3. How to get proper decision in farm especially those related to increase production.
4. Remain committed to life- long learning and updating/ upgrading their clinical skills.

d- Professional and Practical Skills

Graduates must be attain the capacity to:

1. Employ all the gained knowledge and understanding in clinical practice in a skillful pattern.
2. Obtain the history of the case whether it is of an individual bird or group of birds.
3. Perform clinical examination of diseased cases and collect relevant samples.
4. Interpret the clinical results and laboratory diagnostic procedures to reach and adopt the most convenient therapeutic and managemental approach.
5. Conduct evidence- based problems solving of field- presented problems tasks.

e- General and Transferable Skills

Graduate must have the ability to:

1. Write suitable scientific report of the avian and rabbit diseases.
2. Know how to use the computer for researching proper decision.
3. Search for new information and technology as well as adopting life- long self learning ethics.

3- Contents

Theoretical part of second semester.

Lecture Topics	Topic/week	Lecturer
i. Bacterial diseases of poultry and rabbits.	14 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Pullorum disease and Avian paratyphoid	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Avian Arizona and avian Colibacillosis	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Avian Mycoplasmosis	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Avian pasteurellosis ,Riemerella anatipestifer infection and Ornithobacteriosis	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Bordetellosis, Erysipelas infection and Infectious Coryza	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Avian Clostridium infection and Spirochaetosis.	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
Avian Streptococcosis, staphylococcosis, listeriosis, Tuberculosis and avian chlamydiosis.	2 hours	Prof. Dr. Ahmed Ibrahim Ahmed.
ii. Bacterial diseases of Rabbits and miscellaneous diseases.	6 hours/ 3 weeks	Prof. Dr. Ahmed Ibrahim Ahmed.
Rabbit pasteurellosis, Rabbit Colibacillosis, rabbit listeriosis,	2 hours.	Prof. Dr. Ahmed Ibrahim Ahmed.
- Rabbit pseudotuberculosis and staphylococcosis	1 hour.	Prof. Dr. Ahmed Ibrahim Ahmed.
- Miscellaneous diseases.	1 hours	
Miscellaneous diseases.	2 hours.	Prof. Dr. Ahmed Ibrahim Ahmed.
iii. Poultry Mycotic Diseases and mycotoxins.	4 hours / 2 weeks.	Prof. Dr. Ahmed Ibrahim Ahmed
Avian Aspergillosis, dactylarioris and candidiasis.	2 hours.	Prof. Dr. Ahmed Ibrahim Ahmed.
Favus and mycotoxins.	2 hours.	Prof. Dr. Ahmed Ibrahim Ahmed.

Practical part of second of semester:

Practical Topics	Topic/week	Lecturer
Sampling of bacterial diseases.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Isolation and Identification of Avian bacteria on different culture media.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Biochemical tests used in identification of poultry bacteria.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed Vet. Mahmoud Hamed Sabra.
Clinical cases.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
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Clinical cases.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Poultry Medications.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Poultry Farm visits.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Different Methods used in diagnosis of avian Salmonellosis and pullorum test.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Different Methods used in diagnosis of avian Mycoplasmosis.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Slides- show for bacterial diseases.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.
Slides- show for bacterial diseases.	3 hours.	Prof. Dr. Ahmed Ibrahim Ahmed. Vet. Mohammed Sabry Ahmed. Vet. Mahmoud Hamed Sabra.

4- Teaching and Learning Methods

- 4.1- Lecturers.
- 4.2- Practical lessons.
- 4.3- Discussion and presentations.
- 4.4- Poultry farm visits.

5- Student Assessment Methods

- 5.1 Mid term exam to assess intellectual skills
- 5.2 Final year written exam to assess professional and general skills

- 5.3 Oral exam to assess professional skills
- 5.4 Practical exam to assess intellectual skills

Assessment Schedule

Assessment 1 Mid term exam.	Week 11
Assessment 2 Practical exam	Week 13
Assessment 3 Final year written exam	Week 16
Assessment 4 Oral exam	Week 16

Weighting of Assessments

Mid-Term Examination	20 %
Final-term Examination	50 %
Oral Examination.	15 %
Practical Examination	15 %
Semester Work	%
<u>Other types of assessment</u>	<u>%</u>
Total	100%

Any formative only assessments

6- List of References

- 6.1- Course Notes Poultry and rabbit diseases
- 6.2- Essential Books (Text Books)
 - A- Diseases of Poultry - Calnek, B.W..
 - B- Poultry diseases diagnosis and treatment 2nd Ed. H.V.s. chauhan
- 6.3- Recommended Books
 - A- Diseases of Poultry 12th Ed.
 - B-Avian medicine and Surgery Altman, R. B; Susan, L.C.; Dorrestein, G. and Katherine, Q.
- 6.4- Periodicals, Web Sites, ... etc

7- Facilities Required for Teaching and Learning

- Providing class rooms with multimedia system (with data show, computer,
- Providing class rooms with Modern dissecting microscopy
- Availability for field studies and some facilities to make it for collect specimens.
- Arranging for some visits for modern instruments used in biology like electron microscopy
- Availability of computers for students to communicate with www and providing them with electronic library

Course Coordinator: Prof. Dr. Ahmed Ibrahim Ahmed

Head of Department: Prof. Dr. Ahmed Ibrahim Ahmed