



## Course Descriptor VTMD511 Avian Diseases

Proposed Academic Year	2021 - 22	Last Reviewed Academic Year	
Course Code	VTMD511	Course Title	Avian Diseases
Credit hours	3	Level of study	Undergraduate
College / Centre	CAHS	Department	VTMD
Co-requisites		Pre-requisites	VTMD421

### 1. COURSE OUTLINE

This course will give students experience with most common infectious & non-infectious diseases that affect birds mainly chickens. Specific details about each disease will be explained including etiology, epidemiology, clinical signs, pathological changes, diagnosis, differential diagnosis, treatment, prevention and control.

### 2. AIMS

The course aims to give the students the experience in diagnosis and treat sick birds. Also to put a plan to control and prevent avian diseases. The students will be familiarize with the diseases transmitted from birds to human.

### 3. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS

Learning Outcomes (Definitive)	Teaching and Learning methods (Indicative)	Assessment (Indicative)
Upon successful completion of this course, students will be able to:		
1. Diagnose different avian diseases.	Power point presentations, group discussion	Assignment and written examinations
2. Collect case samples and submission to the laboratory for diagnosis.	Power point presentations, group discussion	Assignment and written examinations
3. Apply necropsy on dead birds.	Power point presentations, group discussion	Assignment and written examinations
4. Recognize the most endemic diseases that affect birds.	Power point presentations, group discussion	Assignment and written examinations
Diagnose different avian diseases.	Power point presentations, group discussion	Assignment and written examinations

### 4. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Assignment	20%
Quizzes	20%
Mid-term Examination	20%
Final Examination	40%
<b>TOTAL</b>	<b>100%</b>



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**5. ACHIEVING A PASS**

Students will achieve **3** credit hours for this course by passing **ALL** of the course assessments [*Quizzes, Mid-term, Final Examinations\**] and achieving a **minimum overall score of 50%**

***NB \*Ensure that ALL learning outcomes are taken into account***

**6. COURSE CONTENT (Indicative)**

Bacterial Diseases:

- Enterobacteriaceae
- Avian infections caused by species of Pasteurellaceae, Ornithobacterium and Riemerella: an introduction
- Fowl cholera
- Infectious coryza and related diseases
- Gallibacterium infections and other avian Pasteurellaceae
- Ornithobacterium rhinotracheale
- Riemerella infections
- Avian bordetellosis (turkey coryza)
- Campylobacter
- Staphylococci, streptococci and enterococci
- Clostridia
- Erysipelothrix rhusiopathiae – erysipelas
- Avian mycoplasmas
- Avian chlamydophilosis (chlamydiosis/psittacosis/ornithosis)
- Some other bacterial diseases

Viral Diseases:

- Herpesviridae (Marek's disease virus, Infectious laryngotracheitis, Duck virus enteritis)
- Retroviridae
- Paramyxoviridae (Paramyxovirinae, Pneumovirinae)
- Orthomyxoviridae – Avian Influenza
- Poxviridae
- Coronaviridae
- Picornaviridae
- Birnaviridae
- Adenoviridae
- Reoviridae (Reoviruses, Rotaviruses)
- Astroviridae
- Circoviridae
- Parvoviridae
- Caliciviridae and hepeviruses
- Arthropod-borne viruses

Fungal Diseases



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Parasitic Diseases	
Other Disorders, Poisons and Toxins	
<b>TOTAL HOURS</b>	<b>45</b>
Plus <b>RECOMMENDED INDEPENDENT STUDY HOURS</b>	<b>15</b>
<b>TOTAL COURSE HOURS</b>	<b>60</b>

**7. RECOMMENDED REFERENCES**

**Core text/s:**

- J. Samour (Editor): Avian Medicine, 3rdEd, Elsevier, London. (2015).

**Library + online resources:**

**Open Educational Resources:**