Course Outline

Title: Animal Health
Abbreviation and Number: AGRI214
School: Chemistry, Environmental and Life Sciences
Department: Biology
Credits: 3
Pre-requisites: Second-year standing
Co-requisite(s): None

COURSE DESCRIPTION
Students examine the basic anatomy of animals and discuss their physiology. They are exposed to the process of diagnosing and treating diseases in various farm animals.

SPECIFIC OBJECTIVES
Upon successful completion of this course, students will be able to
1. Identify the anatomical parts of farm animals;
2. Discuss animal anatomy and physiological functions;
3. Demonstrate techniques for maintaining herd health;
4. Diagnose major and minor diseases found among farm animals in The Bahamas; and
5. Administer commonly used medicines.

COURSE CONTENT
I. Anatomical and Physiological Functions
   A. Cows
   B. Goats
   C. Sheep
   D. Poultry

II. Signs of Health
   A. General appearance
   B. Appetite
   C. Mobility

III. Maintaining Healthy Environments
   A. Sanitation
   B. Air quality
   C. Water quality
   D. Effects of disease and parasites

IV. Major and Minor Diseases
   A. Swine
      i. Joint illnesses
      ii. Anaemia
      iii. Others
   B. Small ruminants
i. Foot rot
ii. Navel illnesses
iii. Stuck-tail
iv. Others
C. Dairy and beef cattle
i. Mastitis
ii. Bovine Spongiform Encephalopathy (BSE)
D. Poultry
i. Coccidiosis
ii. New Castle

V. Animal Health Management
A. Drug Administration
B. Biosecurity
C. First aid techniques
D. Immunisation
E. Veterinarian services
F. Quarantine
G. Feeding
i. Foraging
ii. Confined Feeding Operations

VI. Laboratory
A. Animal sanitation in confined area
B. Administering medicines
C. Animal inspection
D. Treatment of wounds and infections
E. Diagnosis of sick animals
F. Euthanasia

ASSESSMENT
Laboratory.................................................. 20%
Mid-semester Examination...................... 15%
Project.................................................. 10%
Assignments................................. 10%
In Class Tests...................................... 10%
Final Examination............................. 35%
Total.................................................. 100%

REQUIRED TEXT

SUPPLEMENTARY READINGS/MATERIALS

**WEBSITES**

www.agf.gov.bc.ca/agric/hortweb/Florprod.htm  
www.aggie-horticulture.tamu.edu/vegetable.html  
www.ars.usda.gov  
www.csrees.usda.gov/qlinks/partners/state_partners.html  
www.fao.org  
www.helsinki.fi/kmus/botecon.html  
www.hort.ufl.edu/nutdef  
www.plantfacts.osu.edu  
www.usda.mannlib.cornell.edu  
www/luminet.net/