Course Outline

Title: Best Farm Practices IV
Abbreviation and Number: AGRL211
School: Chemistry, Environmental and Life Sciences
Department: Biology
Credits: 4
Course Sequence: ( ) Fall ( ) Spring ( X ) Fall and Spring
Hours Per Week: ( ) Lecture ( ) Seminar ( ) Laboratory ( ) Studio ( ) Kitchen ( 4 ) Practical
Pre-requisites: Second-year standing
Co-requisite(s): None

COURSE DESCRIPTION
This is the last of four farm practice courses. Students gain experience and practical skills in the areas of Agriculture, including crop production, livestock production, and grading and packaging operations.

SPECIFIC OBJECTIVES
Upon successful completion of this course, students will be able to
1. Operate farm machinery;
2. Demonstrate soil preparation techniques;
3. Demonstrate techniques involved in the production of crops and livestock; and
4. Discuss procedures involved in post-harvest management.

COURSE CONTENT
I. Crop Production
   A. Land preparation
      Mechanisation
   B. Cultivation of crops
      Irrigation systems
   C. Harvesting
   D. Post-harvest
      i. Grading
      ii. Packaging
      iii. Marketing

II. Livestock
   A. Breed selection
      i. Pure
      ii. Cross
   B. Animal nutrition
   C. Slaughter
      i. Meat handling and carving
      ii. Storage

III. Protected Agriculture
   A. Systems
      i. Greenhouses
      ii. Shade houses
B. Construction
   Installation of irrigation
C. Crop production

IV. Crop Protection
A. Pesticides
   i. Mixing
   ii. Methods of application
       Calibration of pressure in machine
B. Identification of pests
C. Identification of disease

ASSESSMENT
Attendance........................................10%
Assignments.................................... 25%
Projects......................................... 25%
Final Examination............................ 40%
Total.............................................100%

REQUIRED TEXT(S)
Not applicable