Department: Agricultural Economics

Program Name: Agricultural Studies

Program Level: Undergraduate

College: Agriculture, Food and Environmental Sciences

Program: Major

Submitted by: Taken from program assessment plan

Title: N/A

Contact: N/A

Submission Date: N/A

Program Outcomes

Outcome 1: Demonstrate an understanding of ethical decision-making

Outcome 2: Demonstrate competence in a broad array of agricultural disciplines including

a. Agricultural business competencies
   Make decisions using economic principles
   Use data to make decisions
   Communicate business decisions effectively

b. Agricultural engineering technology competencies
   Identify, analyze and solve technical problems
   Apply engineering principles to agricultural systems
   Evaluate numerous solutions to open-ended problems

c. Animal/Dairy science competencies
   Understand animal nutrition and genetic principles
   Properly care for and handle animals
   Manage animal enterprises
d. Crops/Horticulture/Soils competencies

Understand crop plant characteristics and management practices required in growing crops

Understand soil formation and physical, chemical, and biological aspects of soils

Communicate the impact of crop production practices on soil properties and the environment

e. Agricultural Education competencies

Communicate effectively

Construct an argument supporting a specific position

f. Food Science competencies

Understand food processing issues

Understand basic food safety issues

**Outcome 3:** Demonstrate competence in the specific agriculture or related discipline that was chosen as an emphasis area within the major