

I. COURSE INFORMATION

- A. Agriculture 215 Agriculture Computations
- B. 3 credit hours
- C. Mitchell, Nina. *Mathematical Applications in Agriculture*. 2nd ed. New York: Delmar Cengage, 2011
- D. Prerequisites: None

II. COURSE DESCRIPTION

This course covers basic mathematics applications for business and agriculture. This course will give students a review of basic arithmetic, an overview of statistical interpretation, measurements and a brief introduction of special formulas. The applied math problems will cover a wide range of agriculture situations to help increase the students understanding of problem solving.

III. LEARNING OUTCOMES

- A. Demonstrate the ability to compute problems dealing with:
 - a. Whole numbers
 - b. Fractions
 - c. Decimals
 - d. Ratio and proportion
 - e. Percent and percentages
 - f. Measurements

IV. MAJOR CONTENT AREAS

- A. Basic mathematical applications
- B. Mathematical applications in crop production
- C. Mathematical applications in horticulture
- D. Mathematical applications in livestock production
- E. Mathematical applications in agribusiness and financial management

V. ASSIGNMENTS (may include but are not limited to)

- A. Worksheets
- B. Quizzes
- C. Unit exams
- D. Final exam

VI. EVALUATION METHODS (may include but are not limited to)

- A. Attendance and participation
- B. Assignments
- C. Quizzes and exams