AGRI1300 - Introduction to Precision Agriculture

Credits:	3 (3/0/0)
Description:	In this course, students study the theory and principles of precision agriculture equipment, become familiar with the Global Positioning System (GPS) and develop a working knowledge of variable rate systems. Students gain a general overview of current and emerging technologies in precision agriculture as they relate to farm operations and production agriculture.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Identify the segments and components of the Global Positioning System. 2. Explain how the Global Positioning System operates. 3. Describe differential technology. 4. Identify the components of a yield monitoring system. 5. Interpret map projections and coordinate systems. 6. Understand and use basic data models. 7. Understand Geographic Information Systems (GIS) analysis and spatial modeling. 8. Understand the operation and data processing of electronic equipment used in precision agriculture.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*