

## 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:	<ol style="list-style-type: none"><li>1. Identify the segments and components of the Global Positioning System.</li><li>2. Explain how the Global Positioning System operates.</li><li>3. Describe differential technology.</li><li>4. Identify the components of a yield monitoring system.</li><li>5. Interpret map projections and coordinate systems.</li><li>6. Understand and use basic data models.</li><li>7. Understand Geographic Information Systems (GIS) analysis and spatial modeling.</li><li>8. Understand the operation and data processing of electronic equipment used in precision agriculture.</li></ol>
MnTC goal areas:	None

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