

## 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.