SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
TRAN-WELDING-AG
Agriculture Management & Production Program
Revision Date: August 2023
Syllabus Statements

I. CATALOG DESCRIPTION

Course Number:	**AGRI 2296**
Course Title	Advanced Ag Precision Hardware
Prerequisite(s):	
or	**AGRI 1172**
Co-prerequisite:	
Catalog Description:	Install, set-up, and troubleshoot Precision Hardware on machinery. Understanding of the functions of different precision components.
Credit Hours:	2.0
Class Hours:	23
Lab Hours:	23
Total Contact Hours:	Total Class + Lab Hours 46

II. COURSE OBJECTIVES: *Course will:*

1. Set up field monitors
2. Understand the difference in Precision Hardware components
3. Explore the different Applications of Precision
4. Identify the different types of electrical connectors
5. Be able to repair a electrical connector
6. Installation of Precision Hardware on machinery
7. Troubleshoot basic problems with Precision components

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

a. Compare different monitors and hardware.
b. Install a monitor in any piece of farm machinery.
c. Successfully set up a monitor for use on the job.
d. Troubleshoot problems that might arise while in the field with a monitor.
e. Be able to repair basic electrical problems

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO #3: Critical Thinking & Problem Solving

Critical thinkers have the ability to evaluate a problem or assumption and determine an appropriate course of action. They use reason and evidence to make judgments and decisions. Critical thinking and problem solving skills rank highly among employer expectations.

Outcomes:

1. Synthesize information to arrive at reasoned solutions to problems.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information)*

A. Understand the difference in Precision Hardware components

B. Be able to set up monitors and install them

C. Troubleshoot problems that may happen with Precision Hardware

V. INSTRUCTIONAL MATERIALS

A. Required Text(s): No Required Test

B. Other Resources:

USB Drive

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Presentation methods will include, but not limited to demonstrations, practice activities to develop proficiency and over the shoulder supervision and instruction.

2. Laboratory assignments and projects designed to develop design and problem solving skills

VII. METHODS OF EVALUATION

Methods of evaluation typically include a combination of the following:

A. Successful completion of daily projects and maps

B. Quizzes, papers, etc.

C. Practical Exams

SCC STANDARD GRADING SCALE POLICY:

A+	**95-100**	**C+**	**75-79**
A	**90-94**	**C**	**70-74**
B+	**85-89**	**D+**	**65-69**
B	**80-84**	**D**	**60-64**
		F	**Below 60**

VIII. SPECIFIC COURSE REQUIREMENTS:

A. Successful completion of daily projects designed to develop specific skills which build upon one another

B. Successful mastery of lab skills is essential in this class

C. Students are responsible for backing up their own files onto their network drive and maintaining security.