

**SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
ADVANCED TECHNOLOGIES & SKILLED TRADES**

Precision Agriculture

Revision Date:

August 2025

I. CATALOG DESCRIPTION

Course Number: AGRI 1171
Course Title Agriculture Technology
Prerequisite(s): None

Catalog Description: Introduction to agriculture technology applications that are used for solving agriculture problems with emphasis on logical and systematic decision making. Establishing a basic understanding of technology and how it's used in agriculture.

Credit Hours: 2.0
Class Hours: 23
Lab Hours: 23
Total Contact Hours: Total of Class + Lab Hours 46

II. COURSE OBJECTIVES: *Course will:*

1. Identify techniques in creating agricultural spreadsheets and basic office documents
2. Describe precision agriculture and applications used today
3. Identify technology used in animal science
4. Review basic drone regulations

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

1. Prepare agricultural spreadsheets to solve management problems and validate the accuracy of the resulting reports
2. Identify animal science technology and how it pertains to today's industry.
3. Define precision agriculture and apply basic map concepts using various software.
4. Describe basic drone pilot skills

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO #6: Career and Life Skills

At the heart of the SCC Core is a philosophy that our graduates will leave SCC with both a well-rounded, broad-based education and a set of skills that will set them up for success and fulfillment in their personal and professional lives.

Outcomes:

- 1) Use digital technology effectively to access, manage, integrate, evaluate, and present information.

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

- A. Introduction and beginning skill development including letters and resumes
- B. Excel with emphasis on design spreadsheets to solve agricultural management problems

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s):** No Required Text
- B. Other Resources:**

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. Completion of daily assignments
- B. Daily Participation Quizzes and tests 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 completion of practical exams
- C. Successful mastery of lab skills is essential in this class
- D. Students are responsible for backing up their own files onto their network drive and maintaining security.