

SOUTHEAST COMMUNITY COLLEGE
COURSE SYLLABUS
TRAN-WELDING-AG
Livestock Management & Production Program
Revision Date: August 2020

I. CATALOG DESCRIPTION

Course Number: AGRI 2254
Course Title Advanced Swine Production
Prerequisite(s): AGRI2231, AGRI2245

Catalog Description: Study of profitable swine production. Consolidates swine production, marketing, meat processing and sales to consumers of pork products.

Credit Hours: 3.0
Class Hours: 30
Lab Hours: 45
Total Contact Hours: Total of Class + Lab Hours 75

II. COURSE OBJECTIVES: *Course will:*

1. Increase student's awareness of total management practices involved in swine production.
2. Discuss the different swine breeds and the characteristics associated with the breeds.
3. Understand both natural and artificial breeding techniques.
4. Explain how a 1000-day calendar is used.
5. Utilize swine health knowledge to correctly administer vaccines.
6. Explain how to correctly figure stocking densities.
7. Increase understanding of swine biosecurity.
8. Utilize visual market hog selection in order accurately select market ready hogs.
9. Check feed for proper quality and micron size.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

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

- a. Through the use of a model of operation, students will demonstrate abilities in the following areas: facilities, nutrition, reproduction, growing, finishing, and merchandising of swine.

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. Introduction to Advance Swine Production
- b. Swine production systems

- c. Swine production terms
- d. Nutrition of the monogastric
- e. Advanced management practices for swine
- f. Swine economic considerations
- g. Swine marketing
- h. Swine breeds
- i. Biology of a pig
- j. Swine health and disease

V. INSTRUCTIONAL MATERIALS

- a. **Required Text(s):** *Pig Production*, John McGlone and Wilson Pond
- b. **References:** Kansas State Production Guide
- c. **Other Resources:**
 - Calculator, coveralls, and boots

VI. METHODS OF PRESENTATION/INSTRUCTION

Methods of presentation typically include a combination of the following:

- a. Presentation methods will include, but are not limited to: slide and video presentations, research and writing assignments, field trips, and guest lecturers.
- b. Laboratory assignments and tasks

VII. METHODS OF EVALUATION

Methods of evaluation typically include a combination of the following:

- a. Quizzes, tests, and exams
- b. Skills project and exam
- c. Research project
- d. Capstone experience
- e. Daily evaluation

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 all exams, projects, and assignments
- b. Utilizing swine management practices in College's swine unit
- c. Utilize proper safety practices in labs
- d. Utilize proper clothing in swine labs