



South Central College

SWPR 1050 Swine A.I.

Course Outcome Summary

Course Information

Description	This course covers the fundamental aspects of Artificial Insemination of swine. A discussion of boar selection, Biosecurity protocols, establishing a boar stud, the collection process, processing semen, insemination the breeding female trouble shooting reproductive failure will be covered in this course. (1 lecture credit)
Total Credits	1
Total Hours	16

Pre/Corequisites

none

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Describe swine artificial insemination considerations

Learning Objectives

- Describe reproductive anatomy of males and female
- Analyze sow system dose requirements
- Review estrous cycle and A.I. application
- Demonstrate artificial insemination of swine breeding female

2. Compare boar stud facilities

Learning Objectives

- Describe boar housing considerations
- review various facility floorplans
- Describe ideal environmental considerations
- Describe boar stud equipment requirement

3. Determine boar semen quality and morphology

Learning Objectives

- Identify factors affecting semen quality
- Describe quality semen collection process
- Assessing semen quality
- describe boar extender considerations
- Assessing motility and morphology
- review dose transportation and storage considerations

4. Describe animal safety and health considerations

Learning Objectives

- Boar handling and collection
- Describe personal protective equipment
- Review zoonosis considerations

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.