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)

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<tr>
<th>Total Credits</th>
<th>1</th>
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<td>Total Hours</td>
<td>16</td>
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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
Accessing 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.

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389-7222.