



South Central College

SWPR 1300 Nursery Finish Management

Course Outcome Summary

Course Information

Description	This course covers the requirements of the growing and finishing phases of swine to maximize production and efficiency. An overview of the technical and theoretical aspects of nursery, grower and finishing stages will be covered in this course. Production efficiency will be emphasized, as well as the humane treatment of animals. The discussion of social stress, nutritional stress and housing requirements will be included as well. The course will also cover scheduling of facilities, animal marketing, environmental considerations, animal observations and proper animal husbandry skills. (Prerequisites: None)
Total Credits	3
Total Hours	48

Types of Instruction

Instruction Type	Credits/Hours
Lecture	3/48

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. Identify foundational course tools for nursery finish management studies.

Learning Objectives

- Describe course technology needs.
- Describe student help resources for class.
- Identify course resources.
- Describe swine finishing terms.

2. Advocate swine husbandry to ensure workplace safety, environmental compliance and animal well-being.

Learning Objectives

Review production performance data and economic impact on farm business unit.
Describe animal welfare laws and regulations applicable to pork production.
Describe food safety employee training considerations.
Describe space and environmental considerations for growing pigs.

3. Analyze production performance data.

Learning Objectives

Explain marketing weights and packer matrix.
Describe data necessary for useful performance production records according to farm protocol.
Review group closeout summary reports.
Describe timelines for data collection and processing for accurate useful performance, financial and production records and summary reports.

4. Describe growth principles.

Learning Objectives

Describe critical stressors in starting newly weaned pigs.
Describe grower pig characteristics and environmental needs.
Describe finishing pig characteristics and environmental needs.
Describe replacement female development and growth considerations.
Interpret growth performance factors for swine.
Calculate normal weight gains at various growth stages.

5. Explain health status considerations.

Learning Objectives

Identify swine finishing health concerns.
Describe major swine finishing disease prevention and treatment.
Explain managing ill, injured or fatigued pigs.
Review vaccination protocols to maximize effectiveness in developing immunity.
Explain proper cleaning and disinfecting techniques.
Describe selecting, mixing and utilizing disinfectants.

6. Compare feeding methods.

Learning Objectives

Describe feeder management protocols.
Describe feed budget considerations.
Identify feed quality and storage issues.
Describe feeder access issues.
Identify various feed delivery systems.

7. Describe environmental management.

Learning Objectives

Describe air quality concerns.
Compare various ventilation systems with seasonal changes in environment.
Determine manure resource concerns.
Describe pest management considerations.
Describe emergency environmental procedures.
Describe physiology of weaned pigs: digestive system, body mass, temperature loss, nutritional needs.

8. Compare swine finishing systems.

Learning Objectives

Compare building and operating design features.
Describe pig flow and building considerations.
Describe site emergency action plan for fire, weather, and power outages.

9. Describe moving/ trucking concerns.

Learning Objectives

Describe animal handling considerations.
Describe training, monitoring and supervise employees proper animal handling.
Describe proper transport of animal considerations.
Review packer handling and transport regulations.
Determine building and equipment setup considerations.
Describe proper handling and transport animal care policies.

10. Describe carcass merit and market considerations.**Learning Objectives**

Identify packer buying matrix.
Compare group closeouts to packer purchase matrix.
Describe market weight variability and packer matrix.
Evaluate harvest reports to assess accuracy of selection process.
Describe system-wide pig flow projections.
Monitor feed consumption, days on feed and feed budget compliance.

11. Develop a management guide for finishing swine.**Learning Objectives**

Create management routine.
Critique all in-all out pig flow.
Present management routine.

12. Exhibit animal welfare concerns.**Learning Objectives**

Describe humane euthanasia procedures and mortality management.
Describe animal welfare concerns for feed, water and environment that promotes animal well-being.
Describe animal well-being compliance employee training.
Describe farm protocols to assure animal well being.

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.