South Central College

SWPR 1300  Nursery Finish Management

Syllabus

Instructor and Class Information

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Instructor Office Hours  7:30-8:00 am M-F

Course Competencies

1  Advocate swine husbandry

Linked Institutional Core Competencies
Foundations and skills for lifelong learning: Students will display an understanding of learning as a lifelong process through demonstration of a desire to learn, the willingness to apply learning to other areas of their lives, the ability to think and act independently, be willing to take the initiative to get projects done, and demonstrate the ability to reflect upon what has occurred and how it impacts the student and others.

Learning Objectives

- Review production performance data
- Describe swine finishing terms
- Describe animal welfare considerations
- Describe food safety considerations

2  Analyze production performance data

Linked Institutional Core Competencies
Analysis and inquiry: Students will demonstrate an ability to analyze information from multiple sources and to raise pertinent questions regarding that information.

Learning Objectives

- Understanding of marketing weights and packer matrix
- Describe data necessary for useful performance production records
- Review group closeout summary reports
- Describe timelines for data collection and processing
- Understand how decision are made
- Concentrating on economics at managers level
3  **Describe growth principles**

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Learning Objectives
- Describe weaner pig characteristics
- Describe grower pig characteristics
- Describe finisher pig characteristics
- Describe gilt development growth considerations
- Interpret growth performance factors for swine

4  **Explain health status considerations**

Linked Institutional Core Competencies
Analysis and inquiry: Students will demonstrate an ability to analyze information from multiple sources and to raise pertinent questions regarding that information.

Learning Objectives
- Identify health concerns
- Describe major swine finishing disease issues
- Explain managing ill, injured or fatigued pigs
- Review disease prevention protocols
- Explain proper cleaning and disinfecting techniques
- Describe selecting, mixing and utilizing disinfectants
- Explain effective power washing techniques

5  **Compare feeding methods**

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Learning Objectives
- Describe feeder management
- Describe feed budget considerations
- Identify feed quality issues
- Describe feeder access issues
- Identify various feed delivery systems
- Explain bin management
- Explain feed medication withdrawal
- Compare feeding methods
6 **Describe environmental management**

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Learning Objectives
- Describe air quality concerns
- Compare ventilation systems
- Determine manure resource concerns
- Describe pest management considerations
- Describe emergency environmental procedures

7 **Compare swine finishing systems**

Linked Institutional Core Competencies

Analysis and inquiry: Students will demonstrate an ability to analyze information from multiple sources and to raise pertinent questions regarding that information.

Learning Objectives
- Compare building designs
- Describe pig flow and building considerations
- Describe site emergency action plan

8 **Describe moving/trucking concerns**

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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
- Review trucker biosecurity protocols

9 **Describe carcass merit payment programs**

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Learning Objectives
- Identify packer buying matrix – determining ideal marketing weight
- Compare group closeouts to packer purchase matrix
- Describe market weight variability and packer matrix
- Describe overall meat quality

10 Develop Management guide for finishing swine

Linked Institutional Core Competencies
Analysis and inquiry: Students will demonstrate an ability to analyze information from multiple sources and to raise pertinent questions regarding that information.

Learning Objectives
- Create management routine
- Critique all in-all out pig flow
- Present management routine

11 Exhibit animal welfare concerns

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Learning Objectives
- Describe humane euthanasia procedures and mortality management
- Describe animal welfare concerns
- Describe animal well-being compliance employee training
- Describe mortality management cost

12 Introduction nursery finish management

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Learning Objectives
- Describe course technology needs
- Describe student help resources for class
- Identify course resources