



Animal Science: Swine Production (HAG2121B)

NDCDE User Guide

Welcome: Start Here!

Course Overview, Portfolio, and Textbook- READ NOW!

Portfolio Instructions: Download and Read First!

Course Portfolio Information and Examples

How-to Video: Sharing your Pathbrite Portfolio with your Teacher. View, learn, and share yours today!

Course Textbook- USE THIS FOR ALL UNITS, ASSIGNMENTS, AND READINGS.

QUIZ- Course Portfolio- Complete after reading all materials on the Course Portfolio- Within first FIVE days of course

Supervised Agriculture Experience Project - SAE - Major Grade

SAE Project Requirements

SAE Examples!

SAE Skill Sets (Important Resource for your SAE Portfolio)

SAE: Teacher Contact (Complete within first week of course!)

QUIZ- SAE- Complete after reading all materials about the SAE Project

Discussion Board: Getting to Know You- Complete Before Unit 1 (Within First 10 Days of Class)

Swine Breeds Project

Swine Breeds Project

Unit 1 ... Selecting Feeder Pigs

Discussion Forum

Unit 1 Concepts and Terms

Selecting Feeder Pigs E-Chapter

Selecting Feeder Pigs PPT

Unit 1 Selecting Feeder Pigs Quiz

Swine Farrow to Wean Excel Budget

Swine Wean to Finish Excel Budget

Very Good 4-H Feeder Pig Selection Guide

Selecting Feeder Pigs Video

Unit 1 Quiz

Unit 2 ... Raising and Selling Market Hogs

Unit 2 Concepts and Terms

Raising and Selling Market Hogs E-Chapter

Raising and Selling Market Hogs PPT

The Market Hog Guide to Success

Marketing Slaughter Hogs: Where, When and How

Unit 2 Raising and Selling Market Hogs Quiz

Housing, equipment, and supplies for raising swine

Unit 2 Quiz

Unit 3 ... Market Hog Nutrition

Unit 3 Concepts and Terms

Market Hog Nutrition E-Chapter

Market Hog Nutrition PPT

Unit 3 Market Hog Nutrition Quiz

National Swine Nutrition Guide

General Nutrition Principles for Swine

Energy

Example Diets and Performance Standards

Feed Additives

Protein and Amino Acids

Water

Unit 3 Quiz

Unit 4 ... Nutrition for Gestating and Lactating Sows

Unit 4 Concepts and Terms

Nutrition for Gestating and Lactating Sows E-Chapter

Nutrition for Gestating and Lactating Sows PPT

Unit 4 Nutrition for Gestating and Lactating Sows Quiz

General Nutrition Principles for Swine

Amino Acid Nutrition of the Lactating Gilt and Sow

Energy Needs of the Lactating Sow

Example Gestation and Lactation Diets

Pig nutrition research placement Video

Unit 4 Quiz

Unit 5 ... Nutrition for Weaned Pigs Part 1

Unit 5 and 6 Concepts and Terms

Nutrition for Weaned Pigs E-Chapter

General Nutrition Principles for Swine

Energy

Feed Additives

Weaning Nutrition Articles

Corn and corn co-products fed to swine

Pig nutrition research placement

Feeding Our Hogs

Unit 5 Nutrition for Weaned Pigs Quiz

Unit 6 ... Nutrition for Weaned Pigs Part 2

Nutrition for Weaned Pigs PPT

Protein and Amino Acids

Target Feeding Nursery Pigs

Water

Finishing Farm

Use of Soybean Products in Diets for Swine

Mycotoxins In Swine Diets

Unit 6 Quiz

Unit 7 ... Swine Health

Unit 7 Concepts and Terms

Swine Health E-Chapter

Vaccinations for the Swine Herd

Swine Diseases and Resources

Leptospirosis

Mycoplasmal Pneumonia

Porcine Respiratory Disease Complex

Infectious Causes of Infertility in Sows

Unit 7 Swine Health Quiz

Unit 7 Quiz

Mid-Term Exam

Mid-Term Exam

2nd Major Portfolio Update

Unit 8 ... Estrus Synchronization and Heat Detection for Swine

Unit 8 Concepts and Terms

Estrus Synchronization and Heat Detection for Swine E-Chapter

Estrus Synchronization and Heat Detection for Swine PPT

Unit 8 Estrus Synchronization and Heat Detection for Swine Quiz

Signs of Estrus

Estrus in Swine

Estrus Synchronization Strategies in Swine

Estrus Synchronization in Weaned Sows

Manipulation of the Estrous Cycle in Swine

Estrous Detector

Unit 8 Quiz

Unit 9 ... Artificial Insemination in Swine

Unit 9 Concepts and Terms

Artificial Insemination in Swine

Artificial Insemination in Swine PPT

A Cost Comparison of AI and Natural Service

Putting AI to Work

Heat Detection and Insemination Strategies

Is Artificial Insemination For You?

Artificial Insemination

Swine Artificial Insemination for Beginners

A.I. Hereford Hog

Unit 9 Quiz

Unit 10 ... Gilt Management

Unit 10 Concepts and Terms

Gilt Management E-Chapter

Gilt Management PPT

Should Replacement Gilts be Raised or Purchased?

Herd Health Programs for Swine Seedstock Production

Breeding Gilts

Gilt Management/Puberty Induction

Breed Gilt Evaluation

Artificial Insemination of a Gilt

Unit 10 Quiz

Unit 11 ... Selecting Breeding Stock

Unit 11 Concepts and Terms

Selecting Breeding Stock E-Chapter

Using Expected Progeny Differences for Swine Selection
Across-Herd Genetic Evaluation of Swine
Genetic Improvement of Sire and Dam Lines for Enhanced Performance of Terminal Crossbreeding Systems
Purchasing a Herd Boar for Commercial Swine Production
Unit 11 Selecting Breeding Stock Quiz
Unit 11 Quiz

Unit 12 ... Confinement Vs. Open Housing for Hogs

Unit 12 Concepts and Terms
Confinement Vs. Open Housing for Hogs E-Chapter
Confinement Vs. Open Housing for Hogs PPT
Swine Housing PPT
Unit 12 Confinement Vs. Open Housing for Hogs Quiz
Pork Production Systems
Environmental Control for Confinement Livestock Housing
Natural Ventilation for Livestock Housing
Hoop Structures for Missouri Swine Finishing Facilities
Open Dirt or Pasture Lots
Swine Facility: Complete Building Process
Hog Confinement Foam Solution
Unit 12 Quiz

Unit 13 ... Swine Production and Farrowing Systems

Unit 13 Concepts and Terms
Swine Production and Farrowing Systems E-Chapter
Swine Production and Farrowing Systems PPT
Swine Care Handbook
Swine Production in the United States
Natural Farrowing System
Sowlift Farrowing System
Good Agricultural Practice Pig Farming (3 part video)
Unit 13 Quiz

Unit 14 ... Providing Space for Healthy Hogs

Unit 14 Concepts and Terms
Providing Space for Healthy Hogs E-Chapter
Providing Space for Healthy Hogs PPT
Unit 14 Providing Space for Healthy Hogs Quiz
Swine Care Handbook
Swine Production in the United States
Pig House Construction
Vacuum System to Remove Pig Manure
Pig Farm / Piggery
Unit 14 Quiz

Unit 15 ... Farrowing Management

Unit 15 Concepts and Terms
Farrowing Management E-Chapter
Farrowing Management PPT
Unit 15 Farrowing Management Quiz
Farrowing Sows on Pasture
How to Manage Difficult Farrowings
Proper Way to Ear Notch Pigs

Farrowing
Ear Notching
Piglet Castration
Finishing Pigs on Pasture
Unit 15 Quiz

3rd & Final Portfolio Update: Complete Now

Final Exam

NAASO Survey -- PLEASE TAKE THIS SURVEY!
Animal Science-Swine Production Final Exam
SAE Project- FINALIZE NOW IN YOUR PORTFOLIO

End of Course Survey

End of Course Survey

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