

ASC 408G
Swine Production
(2 Credit Hours)
Spring, 2008

Description: A study of the scope and importance of the swine industry and the application of the principles of selection, breeding, reproduction, nutrition, housing, environment, health, and general management to modern-day swine production.

Objective: Upon completion of this course, students should:

1. have a good understanding of the scope and importance of the swine industry in the USA,
2. be able to formulate diets that meet the nutrient requirements of swine at all production stages and develop sound feeding programs,
3. be familiar with the management of pigs and sows on a swine farm.

Time:	Tuesday	Lecture	1:00-1:50 pm	B52 W. P. Garrigus Bldg.
	Thursday	Lecture or Lab	1:00-1:50 pm 1:00-2:50 pm	B52 W. P. Garrigus Bldg. TBA

Instructors:	Dr. Gary Cromwell Professor	609 W. P. Garrigus Bldg. gcromwel@uky.edu or gary.cromwell@uky.edu	257-7534
	Dr. Kelly Brown Post-Doctorate Fellow	215 W. P. Garrigus Bldg. krbrow4@uky.edu or kelly.brown@uky.edu	257-1675

Topics to be Covered:

Role of Pigs and Pork in the World
History and Trends of Swine Production in the USA
Characteristics of Swine
Breeds of Swine
Swine Breeding Systems
Reproductive Characteristics of Swine
Reproductive Management of Swine
Overview of Swine Nutrition
Feeding Programs for Swine
Housing and Management of Swine
Biosecurity and Herd Health
Diseases and Parasites of Swine
Manure Management

Texts: **Suggested text (not required)**
Pork Industry Handbook, 2008 – Hard copy: \$75.00; CD-ROM \$50.00; Both \$115.00
Includes updated fact sheets that are mailed free of charge to your home address for the next three years.
To order, make check to "Purdue University" and give to Dr. Cromwell by January 17.

Additional reading material:
Handouts
Internet web sites.
Current issues of *National Hog Farmer*.

Lectures: Given mostly by Dr. Cromwell.
Short oral and written reports by students on articles from *National Hog Farmer*.
PowerPoint slides, handouts.
PowerPoint material will be posted on the Animal Sciences web site at the end of each lecture or lab.

Labs: Labs will be in classroom, at Swine Research Farm (Woodford County), and field trips.
Note: To enter the UK Swine Research Farm – students must not have had any contact with pigs for 48 hours.

Attend sow and litter at farrowing and manage pigs to weaning. Feed and manage weanling pigs for 2-3 weeks after weaning. This exercise will be in the basement of the W.P. Garrigus Building.

Field trip to commercial hog farms in central/western Kentucky will be scheduled toward the middle or end of the semester (overnight trip).

Attendance

Policy: Two unexcused absences are permitted during the semester. Each additional unexcused absence will reduce the final grade average by two points.

Grading

System: Hourly Exam and Final 70% of total
Reports/Class Activity 30% of total

Grading

Scale: Percent of total:
90-100 A
80-89 B
70-79 C
65-69 D
<65 Fail