Description of AnS 280X: This course will be delivered via distance education. Basic disciplines and concepts involved in swine production including: industry structure, trends and statistics; production phases and buildings; genetic improvement; reproduction; nutrition; health and biosecurity; nutrient management; marketing, meat quality, and career opportunities in the swine industry. Only AnS 280X and AnS 280LX or AnS 225 may count toward graduation. (2 credits)

Course Objectives:
Upon completion of the course the student will be able to:
• Demonstrate knowledge of basic pork production and management skills for efficient and sustainable operation.
• Demonstrate knowledge of scientific principles involved in pork production from farm to consumer.
• Explain the structure of the U.S. swine and pork industry and identify trends in production, marketing, and integration.
• Recognize available career opportunities within the pork industry.

Examinations:
Three exams will be given at approximately equal intervals throughout the course.

Class Participation:
Even though this course does not formally meet students are still required to “meet”. This means responding to main discussion posts. It is highly encouraged that you log-in to the course at a minimum, every other day.

Discussion Post Area:
The discussion post area will have several different areas:
**Introduce Yourself to the Class** – Use this area to introduce yourself to your fellow students so everyone can get to know others in the class. This can also be used for personal notes to the entire class.

**Course Questions** – If you have any questions about assignments, content presented, etc., please place them in this area. More than likely other students will have the same questions.

**Anonymous Feedback** – This area will allow you to provide anonymous feedback on the course. If you have concerns and don’t feel comfortable addressing me directly, your feedback can be placed in this area.

**Pigs / Pork in the News** – Sometimes we all come across interesting information and articles about the pork industry. Please use this area to post any news that you think would be beneficial for the entire class. This board is an excellent opportunity to share and discuss information about current events.

**Grading:**
Grades will be assigned on the following basis:
- Item Point total
- Three Exams 300
- Discussion Board Participation 100
- Short quizzes/activity reports 50
- Total 450

Grading scale will be as follows:
- 94% A
- 91% A–
- 88% B+
- 85% B
- 80% B–
- 75% C

The percentages to earn a specific letter grade listed above are guaranteed. The minimum percentage to achieve a specific grade may be lowered but will not be raised.

**Basic Swine Science Modules:**

*Each week, the instructor will attempt to have modules available starting at 8 a.m. on Monday morning. There will likely be times that modules will be posted during the week. To stay up-to-date on the material, modules should be completed within one week from the time they are posted. The instructor reserves the right to modify this schedule if situations warrant changes to the schedule.*

- Module 1 -- Introduction to Swine Industry
- Module 2 -- Industry Trends and Statistics
- Module 3 -- Industry Structure and Statistics
- Module 4 -- Pork Organizations – Pork Checkoff
- Module 5 -- Production Phases – Three-Site Production
Module 6 -- Pig Flow and Scheduling
Module 7 -- U.S. Seedstock Industry
Module 8 -- Industry Breeding Programs/Crossbreeding
Module 9 -- Genetic Improvement Programs
Module 10-11 -- Reproductive Management
Module 12 -- Artificial Insemination

Exam 1 -- Exam covers material in Modules 1-12

Module 13 -- Farrowing Management
Module 14 -- Baby Pig Management
Module 15 -- Lactation Management
Module 16 -- SEW and Nursery Management
Module 17 -- Finishing Management
Module 18-19 -- Nutrition and Feeding Strategies
Module 20 -- Manure Management
Module 21 -- Buildings and Ventilation
Module 22 -- Carcass Evaluation
Module 23-24 -- Meat Quality – Genetics and Evaluation

Exam 2 -- Exam covers material in Modules 13-24

Module 25 -- Gilt Selection
Module 26 -- Sow Longevity
Module 27 -- U.S. Packing Industry
Module 28 -- Marketing Options
Module 29-31 -- Health and Diseases
Module 32-33 -- Welfare/PQA Plus
Module 34 -- Niche Markets/Alternative Production
Module 35 -- Production Records/Benchmarking
Module 36 -- Financial Projections/Budget Worksheet

Exam 3 -- Exam covers material in Modules 25-36