

- Dr. Tom J. Baas, Iowa State University
- Dr. Mary Beck, Clemson University
- Dr. Don Boggs, Kansas State University
- Dr. David Buchanan, North Dakota State University
- Dr. Kenneth Esbenshade, North Carolina State University
- Dr. Alan Grant, Virginia Tech
- Dr. Maynard Hogberg, Iowa State University
- Dr. Nancy A. Irlbeck, Colorado State University
- Mary Langhorst, Wakefield Pork
- Dr. David Meisinger, US Pork Center of Excellence
- Dr. Ralph Noble, North Carolina A&T State University
- Dr. Todd See, North Carolina State University
- Dr. Jodi Sterle, Texas A&M University

SWINE SCIENCE ONLINE

An online undergraduate program in Swine Science

M.A. DenBeste, D.J. Meisinger and T.J. Baas. Iowa State University, Ames, IA, USA.

SWINE SCIENCE ONLINE

What is the Swine Science Online Program?

Swine Science Online is the first ever online undergraduate program in Swine Science. Swine Science Online offers education and training of future pork professionals to benefit the pork industry by inspiring career interest through academic training and application. The Swine Science Online vision is to ensure that the pork industry is led and managed by individuals who have broad educational and production experiences which have prepared them for these roles. Course work revolves around practical pork production and current pork industry issues. Swine Science Online teaches scientific principles and management skills involved in pork production for an efficient and sustainable operation.

Student Opportunities After Completion

- Integrate disciplines and concepts in order to facilitate problem solving, creating a more efficient production system
- Combine scientific principles and management skills involved in pork production for an efficient and sustainable operation
- Recognize available career opportunities within the pork industry
- Apply personnel, facility, fiscal and livestock management principles involved in swine production
- Perform basic swine husbandry skills
- Understand the impact of societal and industry issues on production management systems
- Explain the pork chain structure and trends, including production, packing and integration

BETA TESTING

All courses were beta tested beginning the summer of 2009 and will be completed by the end of summer 2010.

Student Demographics

- 4-27 students per course
- Sophomore thru graduate students
- Animal Science, Ag Systems Technology, Ag Economics, Veterinary Medicine, Ag Business, Poultry Sciences, Ag Engineering, and Ag Journalism Majors
- From 7 different universities

Course Delivery

- Blackboard, WebCT, Moodle, and ANGEL
- 12 weeks in fall and spring; 10 weeks in summer
- On campus, 1 week each, Basic and Advanced Labs

AG*IDEA

Through AG*IDEA, member institutions from across the United States will be able to participate in distance education programs and/or courses in agricultural and related sciences with other institutions. In a multi-institution degree program, students apply and are admitted at one university; enroll in courses at that university; and graduate or receive a certificate from that university. Online courses are taught by the best faculty in the discipline from several universities.

To obtain information on partnering with AG*IDEA contact Joelle Pitts, jopitts@ksu.edu or 785-532-6968

CERTIFICATE REQUIREMENTS

All students whom complete the 12 credit Swine Science Online curriculum will be eligible to apply for a Swine Science Certificate through the U.S. Pork Center for Excellence. Additionally, some of the participating institutions will be offering an academic certificate in Swine Science.

Required Courses (7 credits)

- Basic Swine Science (2 cr.) **
- Basic Swine Science Lab (1 cr.)
- Swine Health and Biosecurity (1 cr.) **
- Employee Management for the Swine Industry (1 cr.)
- Internship in the Swine Industry (1 cr.)

A Course in Production Management (choose one of the following)

- Swine Breeding & Gestation Management (1 cr.) **
- Farrowing Management (1 cr.) **
- Swine Nursery and Finishing Management (1 cr.)

Elective Courses (Choose 5 Courses)

- Contemporary Issues in the Swine Industry (1 cr.) **
- Swine Business and Records Analysis (1 cr.) **
- Pork Export Markets (1 cr.)
- Market and Risk Management in the Swine Industry (1 cr.)
- Swine Environment Management (1 cr.) **
- Swine Manure and Nutrient Management (1 cr.)
- Pork Product and Quality Safety (1 cr.)
- Swine Feed Mill Management (1 cr.)
- Advanced Swine Science Lab (1 cr.)

** Courses being offered this fall

COURSE EVALUATIONS

Course evaluations were delivered to students via Zoomerang online surveying software upon completion of the course. Students anonymously responded to a variety of questions pertaining to demographics, delivery methods, course content and instructor interaction. Results are being used to improve course content and delivery techniques.

Example Course Evaluation:

PARTICIPATING UNIVERSITIES

A special thank you to all of the universities that have aided in the development of the program.

- Clemson University**
- Colorado State University****
- Iowa State University****
- Kansas State University**
- North Carolina A & T University**
- North Carolina State University****
- North Dakota State University**
- Penn State University**
- South Dakota State University****
- Texas A & M University**
- University of Nebraska at Lincoln****
- University of Missouri****
- Virginia Tech**

** Universities partnered with AG*IDEA that will be offering Swine Science Online Courses this fall.