

Swine Management and Swine Management Lab

Course Description:

This course will cover all facets of swine production from breeding to harvest. A practical production approach will be utilized to problem solve from the management perspective in all phases of production by using current economic, legislative, and scientific material that is available to the industry as a whole. Interaction with live animals and pertinent equipment will be performed as available in lab.

Instructor: Dr. Jared Mumm
233 G Agricultural Sciences and Natural Resources
Contact: Jared.Mumm@tamuc.edu
Phone: 903-886-5358

Office Hours: Open door policy, or e-mail to set up an appointment.

Meeting Times:

Class

Tuesday/Thursday 2 - 2:50 (DTH rm 203)

Lab

Tuesday/Thursday 3 – 3:50 (DTH rm 203 or TAMUC Swine Farm)

Text:

No required text, all readings and supplementary material will be provided by instructor.

Lab Safety Contracts and OSHA forms:

Before any interaction with any live animals students will be required to have both a Lab Safety Contract and an OSHA form on file with the instructor and university.

Course Schedule:

(Schedule subject to change at professors discretion due to animal availability)

- 1) Industry Overview
- 2) Farrowing
- 3) Nursery
- 4) Grow/Finish
- 5) Breeding/Gestation
- 6) Animal Welfare/PQA+

Grading Scale:

At the completion of the course the amount of points earned will be divided by the total points assigned to reach a percentage grade as seen below.

A: 90 – 100

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: ≤ 59

Assignments:

Swine Management Plan – 100 points – Students will devise and construct a fictional swine management program to be economically feasible based on the topics discussed in class.

Weekly Lab Reports – 20 points – Students will write a 1 – 2 page report based on findings in lab that outlines issues, and offers solutions. This report is to be written in the format of a memo to a supervisor.

Graduate Assignments:

Bi-weekly summary – 20 points – an informative summary (1 page single space 12 font) of the assigned reading written in lay language.

Presentation – 100 points – scientific presentation on a topic of the students' choice to be peer reviewed by the class using a provided rubric.

Exams:

Exams will be given at the end of each unit and will be 100 points.

Graduate Exams:

Graduate student exams will include additional questions and readings.

Learning Objectives:

- 1) Define and describe each phase of swine production, its goals, shortfalls, and commercial expectations.
- 2) Understand the goals and applications of swine housing and facility management for each phase of production.
- 3) Recognize, evaluate and understand goals of swine nutrition at all phases of production.
- 4) Be familiar with the goals of swine reproduction, identify management issues and physiological problems related to swine breeding and genetic flow.

- 5) Understand animal welfare as it applies to the swine industry and become familiar with current events and literature that will drive future production systems.
- 6) Utilize technology to troubleshoot and solve common production issues related to all phases of swine production.

Graduate Student Objectives:

Beyond the scope of the above list, students enrolled in ANS 413 will also be asked to:

- 7) Summarize and disseminate pertinent scientific information on given swine management topics from the literature.
- 8) Present, and lead discussions based on relevant topics in swine production.

Conduct and Academic Honesty:

Cell phone use will be kept to a minimum, and students are expected to conduct themselves in a professional fashion while in class. University photo policies will be adhered to. See photo contract agreement form. No pets will be allowed in class. In the event of a service animal contact instructors prior to class starting to allow for appropriate accommodations.

The Use of AI. In the event that writing assignments are given they will be checked for originality and the use of Artificial Intelligence by ZeroGPT.com and any level above 25% computer generated will be given a grade of 0, with the option to redo the assignment at the discretion of the instructor.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.asp>

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures: Undergraduate Academic Dishonesty 13.99.99.R0.03

Undergraduate Student Academic Dishonesty Form

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03>

GraduateStudentAcademicDishonestyFormold.pdf

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03>

Americans with Disabilities Act (ADA):

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835 Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu Website:

Office of Student Disability Resources and Services

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel