

ANS 4932
PORK PRODUCTION LECTURE

Lecture: Tuesday and Thursday (9:35-10:25 am- Period 3)

Locations: Synchronous ZOOM

Two Credit Hours

Instructor

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Course description: ANS 4932- This course will teach the principles of modern pork production including all aspects of swine production management systems (breeding systems, disease control, applied economics, housing, marketing, pork quality, and nutrition in a systems approach), relative to the U.S./Global Pork Supply. This course is a junior/senior level capstone class and will have written assignments. Students will use creativity, problem solving and critical thinking skills.

Student Learning Outcomes:

Understand of the scope of the swine industry in the U.S. and world.

Evaluate the different production systems in the swine industry.

Understand the breeding, reproduction, nutrition, health management and marketing of swine.

Be able to assess pork quality, analyze cash flow and profitability.

Increase awareness of the economic, social, and environmental challenges in the pork industry.

Expand awareness and accessibility of resource materials available to swine producers in the U.S.

Provide opportunity for significant exchange of ideas and fostering critical thinking.

Course grading:

More information on the university wide grading policy can be accessed at:

<http://www.registrar.ufl.edu/catalog/policies/regulationgrades.html>

Students will be asked to keep their cameras on during class. Classes will not be recorded.

All lecture tests will be fully online during the class period via Honor Lock in Canvas.

Grades will be based on following

Two exams (100 pts each)

Farm plan (300 pts)

Comprehensive take home final (150)

650 pts Total

Letter Grades Will Be Determined as Follows:			
A	90 & Above	C	70 - 74.99
B+	85 -89.99	D+	65 - 69.99
B	80 - 84.99	D	60 - 64.99
C+	75 - 79.99	E	59.99 & Below

Farm Plan- This project will be graded as follows:

Genetics/Breeding Program- 15 points; Housing, Facilities & Equipment- 15 points; Health plan- 15 points

Marketing plan- 15 points; Pig Flow/Cash flow- 30 points

Final written report- 100 points

Final oral report/Final- 100 points

Total 300 points

Your project should address these core questions

How much does it take for you to live annually?

What are your production costs per pig? (feed, facilities, health)

How much will you mkt your pigs for?

How many sows/marketable pigs will it take to hit your annual cost of living minus taxes?

How else can you accrue money from this gift you have been given?

How will you finance expansion?

The final written report will be due on 11-24 and student presentations will be during lab on 12-8

Each student will complete the project on their own. You will be asked to develop a complete production plan for a commodity or niche swine production operation. Your grandparents have left you 100 acres of fescue pasture land in Simpson County Kentucky in a trust that stipulates you must use these assets for pork production for five years. The farm is relatively secluded, has a perimeter fence, a small equipment shed, a few outdoor farrowing huts, and five 3rd parity whiteline sows your Grandpa used to raise and sell a few meathogs.

In short, you must put together a management plan detailing ALL receipts and expenditures showing that you can operate at a profit by the 5th year and beyond or you will lose it all. All other capital improvements, breeding stock purchase, equipment, etc. will be 100% financed. **Each portion of the project turned in throughout the semester is to include capital costs, operating expenses and all expenses associated with that portion of the project.** You are a recent UF Animal Sciences graduate with an entrepreneurial spirit, you are single, have no children, and will not have any appreciable off-farm income for these first five years. It is up to you to develop a feasible, profitable swine operation under these guidelines. It is now time to utilize all of the knowledge you have gained in your college career, plus the realistic view to make the correct management and financial decisions. This project will be considered PROFESSIONAL. Treat this opportunity as if it was your own operation and the profit or loss of the operation was in your own hands.

Supporting Material:

Pork www.porkmag.com

National Pork Board <http://www.pork.org>

National Hog Farmer <http://nationalhogfarmer.com/>

Feedstuffs [www.feedstuffs](http://www.feedstuffs.com)

Chicago Mercantile Exchange www.cme.com

Journal of Animal Science www.asas.org

USDA-AMS www.usda.gov

National Swine Improvement Federation www.nsisf.com

Pork Information Gateway (PIG) www.porkgateway.com

National Daily Hog and Pork Summary <http://www.ams.usda.gov/mnreports/lsddhps.pdf>

Daily Livestock Report www.dailylivestockreport.com

AgWeb <http://www.agweb.com/>

National Swine Registry <http://nationalswine.com/index.php>

Stages http://nationalswine.com/pedigree_services/stages.php

American Assoc. of Swine Veterinarians <https://www.aasv.org/>

Authorized absences: The only absences that will be authorized are:

ABSENCE FOR A UNIVERSITY APPROVED FIELD TRIP OR ACTIVITY: These must be cleared at least one week in advance of the major examination. If not cleared in an appropriate fashion, a grade of zero will be assigned for the missed examination.

ABSENCE FOR A DEATH OR SERIOUS ILLNESS IN THE IMMEDIATE FAMILY: A letter of explanation from the physician or minister who attended the patient or was in charge of the funeral services, respectively, must verify this. This letter must be within 14 days following the missed examination or the grade of zero will be assigned.

ABSENCES RESULTING FROM PERSONAL ILLNESS THAT IS TOO SEVERE OR CONTAGIOUS FOR THE STUDENT TO ATTEND CLASS: A letter of explanation from a physician on official letterhead must verify this. This letter must be within 14 days following the missed examination or the grade of zero will be assigned.

ABSENCE FOR A LEGAL PROCEDURE, ADMINISTRATIVE PROCEDURE, OR MILITARY DUTY: The instructor must be notified at least one week in advance of the major examination and have a verification letter on official letterhead. If not cleared in an appropriate fashion, a grade of zero will be assigned for the missed examination.

ABSENCE FOR A RELIGIOUS OBSERVANCE: The instructor must be notified at least one week in advance of the

major examination. If not cleared in an appropriate fashion, a grade of zero will be assigned for the missed examination.

ABSENCE FOR A MANDATORY ADMISSION INTERVIEW FOR PROFESSIONAL SCHOOL WHICH CANNOT BE RESCHEDULED: The instructor must be notified at least one week in advance of the major examination and have a notification from the appropriate individual on official letterhead. If not cleared in an appropriate fashion, a grade of zero will be assigned for the missed examination.

For more information on attendance <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Class evaluation: Students are expected to provide feedback for this class near the semester's end @ <https://evaluations.ufl.edu/evals/>

Class Schedule

DATE	TOPIC
9-1	Introductions
9-3	World, U.S. and Regional Pork Industry
9-8	Production Systems/ Commodity or Niche Marketing
9-10	Biosecurity, Herd Health/Diseases
9-15	Biosecurity, Herd Health/Diseases
9-17	Nutrient, Ventilation, and Odor management
9-22	Facilities
9-24	Genetics & Breeding
9-29	Genetics & Breeding
10-1	EXAM 1
10-6	Gestation Management
10-8	Gestation Management
10-13	Reproduction Management
10-15	Reproduction Management
10-20	Farrowing/Lactation Management
10-22	Nutrition
10-27	Nutrition
10-29	Nursery Management
11-3	Nursery Management
11-5	Grow-Finish Management
11-10	EXAM 2
11-12	Grow-Finish Management
11-17	Commodity Marketing/Economics/Contracts
11-19	Marketing
11-24	Carcass merit
11-26	Thanksgiving
12-1	Pork/Pork Quality
12-3	Beta-agonists and immunological castration
12-8	Student presentations

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CALS Syllabus Policy

Approved by CALS Curriculum Committee September 13, 2013

College of Agricultural and Life Sciences requirements for a course syllabus closely mirror the University of Florida Policy on Course Syllabi (see http://www.aa.ufl.edu/Data/Sites/18/media/policies/syllabi_policy.pdf). However, there are some elements that are suggested by UF but required by CALS and the CALS Curriculum Committee has reviewed and approved sample syllabus statements for several required elements.

This document is intended to complement the UF Policy, clarify additional CALS requirements and provide suggested language that may be used. The language provided covers the minimum UF and CALS requirements; more details can be added at the instructor's discretion.

All CALS course syllabi must contain:

1. Course prefix and number, course title, number of credits, meeting days and times, prerequisites.
2. Instructor's name and contact information including office location, telephone number, email address and office hours; include similar TA contact information if applicable.
3. Course description. This should match the description in the catalog.
4. Course learning objectives. Course objectives should indicate what the student will be able to do when they have completed the course. See the guidance document at <http://cals.ufl.edu/faculty-staff/docs/cc/forms/learningObjectives.pdf>.
5. A weekly course schedule of topics and assignments.
6. Critical dates. Include dates for exams, due dates for assignments, etc.
7. A list of all required and recommended textbooks. Graduate courses should include a reading list of current literature along with classic references or texts where applicable.
8. Methods by which students will be evaluated and their grade determined. A grading scale may be done by total points or percentage of total points, but should clearly show the required performance for each letter grade. Plus (+) and minus (-) grades may be used but are not required. There is no standard grading scale (e.g., level of performance for an A grade) in CALS or at UF.
9. Information on current UF grading policies for assigning grade points. A standard statement is provided below.

Online Course Evaluation Process Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at: <https://gatorevals.aas.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at: <https://gatorevals.aas.ufl.edu/public-results/>.

Academic Honesty As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity." You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/scsr/process/student-conduct-honor-code>.

Software Use: All faculty, staff and students of the university are required and expected to obey the laws and legal

agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Services for Students with Disabilities The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, <https://disability.ufl.edu/>

Campus Helping Resources Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

• University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu Counseling Services Groups and Workshops Outreach and Consultation Self-Help Library Wellness Coaching

• U Matter We Care, www.umatter.ufl.edu/

• Career Connections Center, First Floor JWRU, 392-1601, <https://career.ufl.edu/>.

• Student Success Initiative, <http://studentsuccess.ufl.edu>.

Student Complaints:

• Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-studentconduct-code/>. • Online Course: <http://www.distance.ufl.edu/student-complaint-process>