

ANSC 416 – Swine Science
Fall 2009
Information on syllabus is “SUBJECT TO CHANGE”

Instructor: Dr. Mark Hoge Office: KH 314 Email: MD-Hoge@wiu.edu
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Class Time: Monday, Wednesday 11:00 – 11:50 a.m. KH 307
Thursday 10:00 – 11:50 Lab KH 307 or Pavilion

Office Hours: Monday 9-11
Wednesday 9-11
Friday 9-11 or arranged

Suggested Text: Pork Industry Handbook CD

Course Objectives: Learn about the various aspects of managing swine enterprises, including genetics, nutrition, reproduction, and financial management.

Attendance: ATTENDANCE IS A MUST!!!! Attendance will be taken and factored in to your final grade. Students must be prepared to interact, and discuss topics relating to course assignments. Absenteeism will impede your success on assessments and course assignments. The course is centered around classroom assignments, activities, and classroom lecture.

**** If a student is going to miss class, the student is required to provide a typed letter stating the reason for missing class and the date to be missed.****

ADA Compliance: In accordance with University policy and the Americans with Disabilities Act (ADA), accommodations in the area of test and note-taking may be made for any student who notifies the instructor of the need for accommodation. It is imperative that you take the initiative to bring such needs to my attention, as I am legally not permitted to inquire about the particular needs of students. Furthermore, I would like also to request that students who may require special assistance in emergency evacuations contact me as to the most appropriate procedures to follow in such an emergency.

Academic Dishonesty: Any violation of the Academic Dishonesty Policy in Student Handbook will result in an automatic failure in the course. Plagiarism and cheating are areas of concern for the course. This course is designated to enhance your writing and presentation skills within your academic area, not the ability to copy thoughts and ideas.

Excuses: Any excuse for a missed test or assignment must be cleared before the assignment is due or test is to be taken. In general, the only accepted excuses will be for university events, personal health if a doctor's excuse is available, and verifiable family emergencies.

Grading Scale: A = 90 – 100%
 B = 80 – 89%
 C = 70 – 79%
 D = 60 – 69%

Grades based on:

4 hour exams	400
Homework, quizzes	100
Research	100
Attendance %	100
<u>Final Exam</u>	<u>150</u>
 Total	 850

Homework and Quizzes: Late assignments will have 5 points taken off each day the assignment is late. Quizzes will be 10 points each and will be announced at least one class period prior to the quiz.

<u>Week</u>	<u>Date</u>	<u>Topic</u>
Week 1	M 8/24	Introduction
	W 8/26	Breeds of Swine – Breeding Companies–
	TH 8/27	Lab – Introduction
Week 2	M 8/31	Historical Perspective Basic Production Considerations
	W 9/2	Breeding and Genetics
	TH 9/3	Lab – Swine Farm Inventory
Week 3	M 9/7	NO CLASS – Labor Day
	W 9/9	Breeding and Genetics
	TH 9/10	Lab
Week 4	M 9/14	NO CLASS – National Barrow Show
	W 9/16	Applied Genetics – Swine Behavior
	TH 9/17	Lab
Week 5	M 9/21	Swine Behavior
	W 9/23	EXAM I
	TH 9/24	Swine Production and Management
Week 6	M 9/28	Reproduction
	W 9/30	Reproduction
	TH 10/1	Selection / Semen collection and processing
Week 7	M 10/5	Health
	W 10/7	Swine Health
	TH 10/8	Lab
Week 8	M 10/12	Health and Reproduction Review
	W 10/14	Exam II
	TH 10/15	Fundamentals of Swine Nutrition
Week 9	M 10/19	Nutrition Requirements and Allowances
	W 10/21	Feed Programs
	TH 10/22	Balancing Rations
Week 10	M 10/26	Alternative Feeds, Additives

	W 10/28	High-Energy Feedstuffs and Amino Acids
	TH 10/29	Forage and Pasture Production
Week 11	M 11/2	Nutrition Review
	W 11/4	Exam III
	TH 11/5	Lab
Week 12	M 11/9	Business Management
	W 11/11	Pig Record Keeping Systems
	TH 11/12	Lab
Week13	M 11/16	Business Aspects of Swine Production
	W 11/18	Business Aspects of Swine Production
	TH 11/19	Lab
THANKSGIVING BREAK 11/23-11/27		
Week 14	M 11/30	Environmental Management
	W 12/2	Environmental Management
	TH 12/3	Exam IV
Week 15	M 12/7	Facilities and Equipment
	W 12/9	Facilities and Equipment
	TH 12/10	Lab
Week 16	WEDNESDAY 10:00AM FINAL EXAM	

***ASSIGNMENTS THAT ARE TURNED IN AFTER THE DUE DATE WILL BE WORTH ONE HALF OF THE ORIGINAL SCORE ***

IF YOU MISS MATERIAL THAT IS HANDED OUT DURING CLASS IT IS YOUR RESPONSIBILITY TO GET THAT INFORMATION FROM A CLASSMATE.

Name: _____

Course Objective Beginning Check Sheet
ANSC 416

Genetics:

- 1) Heritability –
- 2) Selection –
- 3) list 5 swine breeding companies and breeds of swine

- 4) EPD
- 5) Why crossbreed?

Reproduction:

- 1) length of gestation _____
- 2) length of heat cycle _____
- 3) common wean age _____
- 4) how many days after weaning will a sow come into heat? _____
- 5) average value for pigs per sow per year? _____

Nutrition:

- 1) common source of energy? _____
- 2) Common source of protein? _____
- 3) Define CP

- 4) Define Lysine

- 5) Give the CP and Lysine levels for:
 - a. Nursery pig _____
 - b. Grower pig _____
 - c. Finishing pig _____
 - d. Gestating sow _____

Disease:

- 1) list 3 swine diseases that have impacted the swine industry.

Compostion/Market:

- 1) average market weight
- 2) average backfat at market
- 3) average loin eye area at market
- 4) average days to 250 pounds.
- 5) Current market hog price.
- 6) Current corn/bean price.

What areas would you like to see covered in depth during the semester???