

**ANSC 112 – Fundamentals of Animal Science  
Fall 2019**

**Class meets MW: 2:00 – 2:50 in KH 152**

**L-51 Lab meets T: 10:00 – 11:50 in LC 105 (Pavilion)**

**L-52 Lab meets T: 1:00 – 2:50 in LC 105 (Pavilion)**

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**Office Hours:**

Monday 9am -11am  
Wednesday 9am – 11am  
Thursday 9am- 10am in LC 105 (Pavilion)  
Arranged by email or cell at (309)-255-2735

**Suggested Text:**

Scientific Farm Animal Production. Thomas G. Field and Robert E. Taylor.  
ISBN10: 0-13-511149-8  
ISBN 13: 978-0-13-511149-9

**Course Objectives:**

Establish the fundamentals of livestock production such as genetics, nutrition, health, meats, and reproduction. Provide an understanding on the interaction between society and animal protein production in the United States. Allow students to become familiar with the WIU farms and gain hands-on experience in handling and managing livestock.

<b>Week</b>	<b>Day</b>	<b>Date</b>	<b>Topic</b>
Week 1	M	8/19	Introduction to Animal Science
	T	8/20	Farm Tour
	W	8/21	Breeds
Week 2	M	8/26	Breeds
	T	8/27	<b>Carthage Vet Service Day – WIU UNION</b>
	W	8/28	Breeds of Livestock
Week 3	M	9/2	Labor day – no class
	T	9/3	Genetics
	W	9/4	Behavior
Week 4	M	9/9	<b>NO CLASS - National Barrow Show</b>
	T	9/10	Genetics
	W	9/11	Genetics
Week 5	M	9/16	Genetics/ Genetics through Selection
	T	9/17	Lab
	<b>W</b>	<b>9/18</b>	<b>Exam I</b>
Week 6	M	9/23	Reproduction
	T	9/24	Lab
	W	9/25	Reproduction
Week 7	M	9/30	AI, Estrous Synchronization
	T	10/1	Lab
	W	10/2	Reproduction

Week 8	M	10/7	Animal Health
	T	10/8	Lab
	W	10/9	Animal Health
Week 9	M	10/14	Animal Health
	T	10/15	Vet Lab
	W	10/16	Health
Week 10	M	10/21	Adaptation to the Environment
	T	10/22	Lab – Dairy tour
	<b>W</b>	<b>10/23</b>	<b>Exam II</b>
Week 11	M	10/28	Nutrition
	T	10/29	Nutrition
	W	10/30	Nutrition
Week 12	M	11/4	Nutrition
	T	11/5	MarketingLab
	W	11/6	Marketing
Week 13	M	11/11	Meats
	T	11/12	Lab
	W	11/13	Meats
Week 14	M	11/18	Companion Animal
	T	11/19	Companion Animal
	<b>W</b>	<b>11/20</b>	<b>EXAM III</b>

**November 25 – 29 Thanksgiving Break**

Week 15	M	12/2	Companion Animal
	T	12/3	Lab -Horses
	W	12/4	Careers in Animal Science
	M	12/9 – 12/13	FINALS WEEK

**\*\*\*ANSC 112 FINAL MONDAY AT 3:00 PM – 152 KH\*\*\***

**Attendance:** ATTENDANCE IS A MUST!!!! Attendance will be taken during lab and on occasion if the need presents itself during class. 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.

**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.

**Labs:**

**NO cell phones or recording devices allowed during lab time. Also, attendance will be taken each lab.**

**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.

<b>Grading Scale:</b>	A = 92 – 100%	A- = 90 – 91%	
	B+ = 87 – 89%	B = 82 – 86%	B- = 80 – 81%
	C+ = 77 – 79%	C = 72 – 76%	C- = 70 – 71%
	D+ = 67 – 69%	D = 62 – 66%	D- = 60 – 61%
	F = ≤ 59%		

**Grades based on:**

4 hour exams	450
Homework, quizzes	250
<u>Final Exam</u>	<u>150</u>
Total	750

**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.

**Exams:**

Exams will be a combination of fill in the blank, multiple choice, and short answer. They will reflect the notes and information covered in class or relevant information currently in popular press. If the final exam or one of the four hourly exams is missed without prior notice, a detailed oral exam will be administered by yours truly.

**Education Majors:**

The changes within the state certification requirements, which go into effect immediately for all of those students who graduate in the spring 2012 and after, you are required to receive a grade of a "C-" or better in this course in order to meet these new requirements.

**PLEASE REMEMBER:**

INFORMATION ON SYLLABUS IS SUBJECT TO CHANGE!!!!

Name: \_\_\_\_\_

ANSC 112  
Supplemental Information Sheet

Home town:

Describe experience with animal agriculture:

Strongest area of animal interests:

What are you looking to gain from this course:

Fill in the following:

**Genetics:**

1) list 2 breeds of:

- a. pigs
- b. cattle
- c. sheep
- d. dogs
- e. horses

2) Why crossbreed?

3) Define selection.

4) Define Heritability.

**Reproduction:**

5) Gestation length for: Pigs \_\_\_\_\_ Cattle \_\_\_\_\_ Sheep \_\_\_\_\_

6) Common wean age for: Pigs \_\_\_\_\_ Cattle \_\_\_\_\_ Sheep \_\_\_\_\_

7) Length of estrus cycle? Pigs \_\_\_\_\_ Cattle \_\_\_\_\_ Sheep \_\_\_\_\_

8) Which of the 3 species of livestock are **not** seasonal breeders?

**Nutrition:**

9) Common source of energy?

10) Common source of protein?

11) Define CP

12) How many pounds of feed does each animal eat per day and gallons of water does each drink per day

a. FEED → Pigs \_\_\_\_\_ Cattle \_\_\_\_\_ Sheep \_\_\_\_\_

b. Water → Pigs \_\_\_\_\_ Cattle \_\_\_\_\_ Sheep \_\_\_\_\_