

ANSC 114: INTRODUCTION TO ANIMAL SCIENCE

COURSE SYLLABUS

COURSE INFORMATION

ANSC 114: Introduction to Animal Science (38183), 3 credits, ONLINE

Course Description: An introduction to the general fundamentals of livestock management and industry practices in food/farm animal production. Classroom lecture is to be complimented by the accompanying labs, which will provide hands on tours of livestock operations to enhance student knowledge of livestock production.

INSTRUCTOR

Jessalyn Bachler, Western Star Career and Technology Center 129, 701-774-4532
jessalyn.bachler@willistonstate.edu

Office Hours: MW 10:30AM-12:00PM, TTh 11:00AM-12:30PM, or by appointment

TEXTBOOK & MATERIALS

Scientific Farm Animal Production: An Introduction to Animal Science, 12th Edition – Thomas G. Field - ISBN: 9780135187258

STUDENT LEARNING OUTCOMES

INSTITUTIONAL OUTCOMES

- 1.) Students will use **reasoning** skills to analyze and solve problems.

PROGRAM OUTCOMES

- 1.) Demonstrate effective oral and written communication.
- 2.) Demonstrate problem solving strategies within the agriculture industry.
- 3.) Identify agricultural needs within society.
- 4.) Identify how agriculture affects personal and community health.

COURSE OUTCOMES

- 1.) Describe management practices that are applicable to the livestock industry.
- 2.) Explain the impact animals have on humans and the environment.
- 3.) Evaluate livestock and livestock products using visual observation and performance data.

ASSESSMENT TASKS (FOR COURSE OUTCOMES)

- 1.) Complete textbook readings, questions, and problems demonstrating mastery of both concepts and process skills.
- 2.) Complete examinations demonstrating mastery of both concepts and process skills.

PROCESS SKILLS

- Human and animal dependence
- Hot topics in the animal industry
- Importance of red meat production
- Identification of importance factors in carcass evaluation
- Visual importance of livestock structure and correctness
- Livestock handling and equipment
- Injection sites and administration of drugs
- Identification of common livestock breeds

CONCEPTS & ISSUES

- Animal Contributions
- Current Animal Related Issues
- Red Meats and Animal By-Products
- Evaluation
- Reproduction
- Feeds and Nutrition
- Animal Behavior
- Animal Health
- Breeds of Livestock
- Management Systems

ASSESSMENT PORTFOLIO

Each degree seeking student is required to maintain an assessment portfolio on Blackboard for his/her time at Williston State College. For this class you should include evidence of completing institutional learning outcomes of what you learned in this class.

GRADING SYSTEM

Required Assignments	Points	Percentage (%)
Tests (2): Midterm and Final	$150 + 225 = 375$	26
Quizzes (3)	$75 \times 3 = 225$	16
Discussion Boards (8)	$25 \times 8 = 200$	14
Papers (2)	$50 \times 2 = 100$	7
Lab-Based Assignments (6 + 2)	$50 \times 8 = 400$	27
Final Project	150	10
Total	1450	100

*****Bonus points will be awarded throughout the semester.**

GRADING BASIS

Letter	Percent
A	$\Rightarrow 90$
B	$\Rightarrow 80$
C	$\Rightarrow 70$
D	$\Rightarrow 60$
F	< 60

ASSIGNMENT DESCRIPTION

- Only two tests will be given throughout the semester, a midterm and a final; they will be comprehensive and given in an online format.
 - **Failure to complete the final exam will result in an “F” for a final grade in the course.**
- The three quizzes will only cover current material, and will not be comprehensive.
 - **Tests/quizzes must be completed by the due date, or a “0%” will be given. Arrangements must be made TWO DAYS prior to when the test/quiz is given in order to make up test/quiz beforehand. You will not be allowed to take the test after the due date – NO EXCEPTIONS.**
 - **Taking tests/quizzes with other classmates is unacceptable and considered cheating. If students’ test/quiz times overlap or similar answers are given, a “0%” will be received with no option to retake.**
- Four two-page papers and six online, lab-based assignments will be assigned throughout the semester. These are to be written double-spaced in Times New Roman font, 12 pt. In the header, will be the class and assignment label, the date, and your name; this is shown below:

ANSC 114 – Paper #1

1-19-25

Your Name

- A weekly discussion post, of at least 200 words will be due every Thursday. By Sunday, you must respond to one classmate's post with two solid points.
 - Key Point: In your first introductory discussion post on Blackboard write "I read the entire syllabus for ANSC 114, including the key point." If you do not write this in your first discussion post, you will only receive half-credit.
- All assignments/lab reports are to be turned in on Blackboard by the due date.
- **All assignments are due one week after assigned. For each business day assignments are late, 20% will be deducted until the grades reaches 0%.**
- One species/breed final project will be ongoing throughout the semester.
- All answers can be found within the course material. Any answers that are "Googled" will not be given credit. If any outside sources are needed, the instructor will advise you where to find reputable information.
- More detailed guidance and rubrics will be provided for each of the assignments.

SCOPE AND SEQUENCE OF THE COURSE (SUBJECT TO CHANGE)

Week	Chapter	Assignment/Lab/Test
1	1 – Animal Contributions	Paper #1 - Contributions to Your Daily Life
2	2 – Livestock/Poultry Industries	Assignment #1 – Domestication Article Review
3	3, 4, 5 – Livestock Products	Lab #1 – Livestock Slaughter and Grading
4	6, 7 – Livestock Products Quiz #1 (Ch 1-7)	Quiz #1
5	8, 9 – Market/Visual Evaluation	Lab #2 – Livestock Evaluation and Efficiency
6	10, 11 - Reproduction	Assignment #2 – Livestock Reproduction
7	14 – Mating Systems Quiz #2 (Ch 8-11, 14)	Quiz #2
8	15, 16, 17 – Nutrients and Digestion in the Rumen	Lab #3 – Feed Tags
9	Midterm (Ch 1-11, 14-17)	MIDTERM EXAM
10	18, 19, 20 – Growth, Adaptation, Lactation	Lab #4 – Livestock Growth
11	21 – Animal Health	Lab #5 – Livestock Vaccinations
12	22 – Animal Behavior	Lab #6 – Temple Grandin Handling Systems
13	Quiz #3 (Ch 18-22)	Quiz #3
14	24 – Beef Cattle Breeds 26 – Dairy Cattle Breeds 28 – Swine Breeds 30 – Sheep and Goat Breeds 32 – Horse Breeds 34 – Poultry Breeds	Final Project Overview
15	23 – Issues in Animal Agriculture	Paper #2 – Current Issues in Livestock
16	Final Project	Final Project Due
17	Final (Ch 1-11, 14-24, 26, 28, 30, 32, 34)	FINAL EXAM

ACCESSIBILITY STATEMENT

Williston State College is committed to providing equal access to students. If you have a disability which may impact your performance, attendance, or grades in this course that requires accommodations, you must first register with the WSC Accessibility Support Office. Please note that classroom accommodations cannot be provided until your instructors receive an Accommodations Form, signed by you and the Accessibility Support Office.

IMPORTANT DATES

- **Last day to drop: 1-23-2025**
- **Last day to withdraw (with W): 4-11-2025**
- For important dates concerning holidays, last date to withdraw from class, etc., please visit the WSC catalog available on the website: www.willistonstate.edu.

ACADEMIC RESOURCES

Take advantage of academic resources available to you at Williston State College:

- **Communication Lab:** Supplemental instruction is provided to assist students who are either having difficulty or desiring extra help with specific subjects. The Communication Lab assists with composition, writing, communication, and public speaking. The Communication Lab is located in Stevens Hall 120. Students should make appointments at wsc.writinglab@willistonstate.edu.
- **Math Lab:** Supplemental instruction is provided to assist students who are either having difficulty or desiring extra help with specific subjects. The Math Lab assists with all math needs. The Math Lab is located in Stevens Hall Science Lounge.
- **Learning Commons:** It's not just the Library anymore. In addition to the normal library functions (book checkout, research assistance, etc.), the Learning Commons serves a number of other functions. In the Learning Commons you can check out study rooms, check out graphing calculators, utilize computers and print school related materials. Technical support for your online courses is also available in the Learning Commons. For technical support please stop in the Learning Commons or call 701.774.4590 or email wsc.extendedlearning@willistonstate.edu. For library support or questions call 701.774.4226.
- **NetTutor:** Web based service that provides on demand tutoring across a wide variety of subject areas. With NetTutor you can access live tutors, ask a question, and come back later for a response and/or submit written work for review. This program can be accessed through the NetTutor link in any WSC Blackboard course. If you have questions or need assistance, please contact Extended Learning at wsc.extendedlearning@willistonstate.edu.

STUDENT ACADEMIC INTEGRITY

Work submitted for this course must follow Student Academic Integrity as cited in the WSC Student Code of Conduct:

- Acts of cheating and plagiarism are prohibited. Cases of academic dishonesty may be treated as an academic matter or as a disciplinary matter at the discretion of the instructor.

- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment. It includes using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.
- Plagiarism is presenting someone else's work or ideas as your own, with or without their consent, by incorporating it into your work without full acknowledgement. All published and unpublished material, whether in manuscript, printed or electronic form, is covered under this definition.
- Self-plagiarism is the use of one's own previous work in another context without citing that it was used previously.
- The instructor may reflect the incident of academic dishonesty through the assignment of the student's grade in the course. If the student has a grievance related to this action, that grievance would be directed to the Chair of the department in which the course is housed.
- Alternatively, the instructor may refer the case as a disciplinary matter to the Vice President for Academic Affairs. The Vice President for Academic Affairs may refer the case to the Student Review Committee for action.

Breach of academic integrity may result in failure of the assignment, exam, and/or class.

STUDENT RESPONSIBILITIES:

- You are expected to read the relevant materials and participate in class discussions in a timely manner.
- You are expected to respect your fellow students and the instructor in online and on campus discussions.
- It is your responsibility to ask questions when you are uncertain about assignments or course materials.
- If you have questions concerning grades, you should contact the Instructor immediately. You are responsible for checking Blackboard in a timely fashion to ensure that the grade recorded is your correct grade.
- It is your responsibility to contact the instructor as soon as possible if you are encountering any issues that would hinder your performance in this class.
- You are responsible for earning your grade (with the instructor making every effort to help you learn the material).
- If you are concerned about your grade, you should speak to the Instructor NO LATER than mid-term. No consideration will be given to request to adjust your grade at the end of the semester unless there is an error in calculations.

GRIEVANCE POLICY

Occasionally, students are dissatisfied with some dimension of the course. In such cases, students should first schedule a meeting with the instructor. If the student and instructor cannot reach a satisfactory resolution, the student should schedule a meeting with the Chair of the Department. (See the Student Code of Conduct.)

TITLE IX

Survivors of sexual assault, domestic violence, and sexual harassment: please be aware that as an instructor, I am legally obligated to report all instances of sexual assault, domestic violence, and sexual harassment involving students. If you would like to speak to someone confidentially, please contact the WSC Counselor at (701)774-4212 (they are NOT mandated to report such instances).

FINAL EXAMS/ACTIVITIES

Students are required to take the final examination or engage in the final activity on the date and at the time presented as part of the course syllabus. Exceptions may be made only in emergency situations and in the case of scheduling conflicts with college sponsored events by promptly submitting a written request detailing the circumstances to the instructor of the course. **Your meeting time for your final is: finals week, online.**