

## **ANSC 160: Equine Nutrition**

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### **COURSE SYLLABUS**

#### ***COURSE INFORMATION***

**ANSC 160: Equine Nutrition** (21623), 2 credits, ONLINE

Course Description: This course focuses on basic equine nutrition throughout the various stages of equine development and performance. These concepts will be integrated with a practical application of equine feeding.

#### ***INSTRUCTOR***

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

Office Hours: W 11:00AM-1:00PM, TTh 11:00AM-12:30PM

#### ***TEXTBOOK & MATERIALS***

Introduction to Horse Nutrition, Zoe Davies - ISBN: 9781405169981

#### ***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.) Differentiate production, breeding, and herd health systems of the major meat animal industries.
- 2.) Evaluate production livestock based on genetics and performance records.
- 3.) Evaluate various reproduction enhancements and common management practices.

## **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**

- Identify how the equine digestive system functions
- Recognize how horses digest different kinds of roughages and concentrates
- Interpret the role of vitamins and minerals in the equine diet
- Understand how breeding, growing, and performance horses differ in nutrient requirements
- Evaluate horse feeding programs
- Develop a basic understanding horse nutrition and diets

## **CONCEPTS & ISSUES**

- Equine digestive system
- Horse nutrition requirements
- Horse feed ingredients
- Horse rations and diets
- Nutrition-related diseases and problems
- Feeding breeding, growing, and performance horses
- Equine pasture management

## **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 your syllabus, evidence of completing learning outcomes, and a reflection paper of what you learned in this class.

## GRADING SYSTEM

Required Assignments	Points	Percentage (%)
Tests (1): Final Exam	150 x 1 = 150	19
Quizzes (2)	75 x 2 = 150	19
Discussion Boards/Case Studies (9)	25 x 8 = 200	25
Lab-Based Activities (4)	50 x 4 = 200	25
Final Project	100	12
<b>Total</b>	800	100

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

## GRADING BASIS

Letter	Percent
A	=>90
B	=>80
C	=>70
D	=>60
F	<60

## ASSIGNMENT DESCRIPTION

- Only one test will be given throughout the semester, a final exam; it will be comprehensive.
  - **Failure to complete the final exam will result in an “F” for a final grade in the course.**
- The two quizzes will only cover current material, and will not be comprehensive.
  - **If tests/quizzes are not completed by the due date a “0%” will be received, unless arrangements are made prior to the test/quiz is given.**
  - **Taking tests with other classmates is unacceptable and considered cheating. If students’ test times overlap a “0%” will be given with no option to retake.**
- Four 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 160 – Paper #1

1-17-25

Your Name

- Discussion boards and case studies must be at least 200 words and will be due on Thursdays. By Sunday, you must respond to one classmates post with two solid points.
  - Key Point: In your first introductory discussion post on Blackboard write “I read the entire syllabus for ANSC 160, including the key point.” If you do not write this in your first discussion post, you will only receive half-credit.
- All assignments/labs/papers 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 equine nutrition project will be ongoing throughout the class, worth 100 points.
- 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
1	1 – The Horse as a Herbivore	Discussion Board – Introduction
2	2 – Structure and Function of the Equine Digestive System	Lab #1 – Equine Digestive System
3	3 – Food and Biological Molecules	Lab #2 – Biological Molecules
4	4 – Vitamins	Case Study – Equine Vitamins
5	5 – Minerals	Case Study – Equine Minerals
6	<b>Quiz #1 (Ch 1-5)</b>	<b>Quiz #1</b>
7	6 – Energy: Fuel for Life	Case Study – Equine Dietary Energy
8	7 – Forage for Horses	Lab #3 – Equine Forages
9	8 – Feedstuffs	Lab #4 – Equine Feedstuffs & Nutrient Analysis
10	<b>Final Project</b>	Discussion Board – Final Project
11	9 – Feed Supplements, Additives, and Nutraceuticals	Case Study – Feed Supplements
12	<b>Quiz #2 (Ch 6-9)</b>	<b>Quiz #2</b>
13	10 – Formulating a Ration	Lab #5 – Ration Formulation
14	11 – Feeding Different Types of Horses	Lab #6 – Feeding All Types of Horses
15	12 – Diet Related Problems	Case Study – Equine Parasites <b>Final Project Due</b>
16/17	<b>Final (Ch 1-12)</b>	<b>Final Exam</b>

### 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: 1-18-2024**
- **Last day to withdraw (with W): 4-5-2024**
- For important dates concerning holidays, last date to withdraw from class, etc., please visit the WSC catalog available on the website: [www.willistonstate.edu](http://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](mailto: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 Common 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](mailto: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](mailto: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.**