



10006113 Animal Science

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WESTERN TECHNICAL COLLEGE

INSTRUCTOR

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Division: K-12 Partners - Transcribed or Dual Credit

COURSE INFORMATION

This course provides fundamental knowledge of the animal science field. Topics include animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job related safety. Participants will experience animal concepts through the completion of hands-on activities.

Credits: 3

CLASS INFORMATION

Section Number:

Term: Fall Year: 2024 Start Date: 9/5/2024 End Date: 6/12/2025

TEXTBOOKS

No textbook required.

SUCCESS ABILITIES

Cultivate Passion: Expand a Growth-Mindset

Cultivate Passion: Increase Self-Awareness

Refine Professionalism: Improve Critical Thinking

HIGH IMPACT PRACTICES

Technology-Enhanced Learning: this course will incorporate digital technologies like gamification, virtual reality experiences, or simulations. In addition, you will create technology-enhanced products such as ePortfolios, multimedia presentations, or other e-products to showcase your learning.

PROGRAM OUTCOMES

Interact as a professional in Agribusiness
Investigate opportunities in Agribusiness
Apply relevant technologies
Apply economic and marketing strategies to Agribusiness Industry
Create a Livestock Management Plan

COURSE COMPETENCIES

1. Apply basic genetic principles to various livestock and poultry breeds.
2. Examine the differences in the digestive anatomy among animals.
3. Explore the different livestock industries in the US.
4. Investigate aspects of animal behavior.
5. Determine feedstuffs for a class of animals.
6. Examine practices in managing livestock that impact production costs.
7. Apply prevention and treatment methods for livestock health.
8. Examine how consumers influence production within Agribusiness.
9. Identify how agribusiness commodities are marketed.

GRADING INFORMATION

Grading will be done based on how clearly you demonstrate your understanding of the concept. PowerSchool can be accessed by you or parent/guardian to see your grades as well as missing assignments – if you don't know your PowerSchool login please check with the IMC. You may **REDO** any assignment or test as many times as you want until the end of the grading period, however, it is **YOUR** responsibility to come see me about retakes.

Lab Grades

- Lab participation grades are based upon:
 - * your ability to follow instructions/directions
 - * proper clean-up of your lab, with all supplies returned to their proper place
 - * participation in the actual lab itself (do you help, or just rely on group members / classmates?)
- Labs may also be accompanied by a set of questions designed to determine your level of understanding of the concepts tested in the lab. These questions will also receive a grade based on your response and demonstration of your understanding of concepts.

Labs may or may not be available to makeup depending on the nature of the lab. I will try my best to let you know ahead of time in order for you to prepare to be in class. If you know you are going to be gone, please communicate that with me so we can come up with an alternative or a makeup time.

What does my grade mean?

A

90-100

- * I understand!
- * Neat and complete!
- * Excellent effort!

B

80-89

- * I mostly understand
- * Mostly neat and complete
- * Good effort

C

70-79

- * I understand some
- * Not all complete or neat
- * May not be my best effort
- * I need to ask more questions

D

60-69

- * I understand very little
- * May not be complete or neat
- * I need more instruction

F

0-59

- * I do not understand
- * I need to ask for help
- * May not be complete or neat

SCHEDULE

Date/Session	Competencies	Learning Objectives	Notes
9/4/24-9/27/24	3. Explore the different livestock industries in the US.	1.a. 1.b. 1.c. 1.d. 1.e. 1.f. 1.g. 1.h. 1.i. 1.j.	Dates subject to change. 9/23/24 is early dismissal

Date/Session	Competencies	Learning Objectives	Notes
9/30/24-10/30/24	4. Investigate aspects of animal behavior	4.a. 4.b. 4.c. 4.d. 4.e. 4.f. 4.g.	Dates subject to change. Early Dismissal 10/14/24 National FFA Convention 10/22-10/26 End of Quarter 1-10/30/24
11/4/24-11/26/24	2. Examine the differences in the digestive anatomy among animals	2.a. 2.b. 2.c. 2.d.	Dates subject to change. 11/11/24 Early dismissal 11/27-11/29-Thanksgiving Break
12/2/24-12/20/24	5. Determine feedstuffs for a class of animals	5.a. 5.b. 5.c. 5.d. 5.e. 5.f. 5.g.	Dates subject to change. 12/23/24-1/1/24 Winter Break
1/6/25-1/31/25	1. Apply basic genetic principles to various livestock and poultry breeds.	1.a. 1.b. 1.c. 1.d. 1.e. 1.f. 1.g. 1.h. 1.i. 1.j.	Dates subject to change. 1/17/25-End of Semester 1 1/27/25- Early dismissal
2/3/25-4/4/25	7. Apply preventative and treatment methods for livestock health 6. Examine practices in managing livestock that impact production costs	7.a. 7.b. 7.c. 7.d. 7.e. 7.f. 7.g. 6.a. 6.b. 6.c. 6.d.	Dates subject to change. 2/17/25 Early Dismissal 3/10/25 Early Dismissal 3/21/25 End of Quarter 3 3/24/25-3/28/25 Spring Break
4/7/25-6/11/25	8. Examine how consumers influence production within Agribusiness 9. Identify how agribusiness commodities are marketed.	8.a. 8.b. 8.c. 8.d. 9.a. 9.b. 9.c. 9.d.	Dates subject to change. 4/14/25 Early Dismissal 4/18/25 Easter Break 5/12/25 Early Dismissal 5/26/25 Memorial Day 6/8/25 Graduation 6/9/25-6/12/25 State FFA Convention 6/11/25 Last Day of School

THE BASICS

Refining Professionalism: Think and communicate as a professional, value collaboration and diversity, and behave ethically.

Improve Critical Thinking: In this course, you will be asked to connect ideas from classroom lectures and discussions and apply them in practical situations in the lab. You will also be asked to evaluate information logically to solve problems and find solutions.

Practice Effective Communication: In this course, you will be expected to actively listen to others (or carefully read others' discussion board posts) including other students, guest speakers, and the instructor. You will also share your ideas and thoughts through interactions. In some cases, that will be a written product (essay, research paper, etc.) or through an oral presentation (speech, demonstration, lecture). Effective communication also includes timely conversations with instructors and responding to emails.

Participate Collaboratively: In this course, you will be asked to contribute as a team member for certain projects, while working with others in the lab, and in interactions with community members. You might not always agree with other members' perspectives, but you are expected to acknowledge them and respect the diversity of ideas that are shared.

Act Ethically: In this course, you are expected to behave in a way that demonstrates honesty, equity, empathy, and trust. For example, you are responsible for your own work. Students that plagiarize will be referred to administration. Following all safety rules and procedures, without taking shortcuts, demonstrates ethical behavior to follow rules. Treating all others respectfully demonstrates equity. This class will follow the School District of Fort Atkinson's guidelines in regards to academic dishonesty:

Cheating

Cheating will NOT be tolerated!

- Anyone caught cheating will be subject to the disciplinary actions set in the student handbook.
- In addition, anyone caught cheating will receive a zero for the assignment.
- The person/people that provided the answers will also lose the same number of points for the assignment as well as be subject to the disciplinary actions in the student handbook.

Live Responsibly: Adapt to change, respect yourself and all others, value the environment, and accept ownership of your actions.

Develop Resilience: Things happen. Especially things that you might not anticipate or for which you are unprepared. When things happen, please know that you can reach out to me! As the instructor, I will work with you to help you overcome these disruptions, be able to make some accommodations in the classroom or connect you with others that can also help.

Foster Accountability: Accountability is taking ownership of your choices but also following through on your commitments. In this course, you can demonstrate accountability by turning in assignments on time, collaborating with your peers on group projects, attending class sessions regularly, and redoing assignments based on feedback. You are taking ownership of your success in this course by asking questions, participating in class, and engaging in the course materials.

Cultivate Passion: Find your purpose by being curious, practicing self-reflection, and genuinely connecting with others.

Expand a Growth Mindset: Working to correct mistakes, developing a deeper understanding, and applying instructors feedback to course products demonstrates a growth mindset. In this course, I welcome you to fix your mistakes when the opportunity arises. That means that you can retake a test, correct an assignment, or resubmit a project for additional points if you have taken the steps necessary to demonstrate improvement in your understanding.

Grades:

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Labs may or may not be available to makeup depending on the nature of the lab. I will try my best to let you know ahead of time in order for you to prepare to be in class. If you know you are going to be gone, please communicate that with me so we can come up with an alternative or a makeup time.

Increase Self-Awareness: Everyone has their own personal strengths and weaknesses, traits and behaviors. I encourage you to advocate for yourself in this course by seeking out additional help or support as needed. This may mean asking other classmates for support, or coming in before or after school to meet with me.

Enhance Personal Connections: Remember that everyone is coming to class with something on their minds. Interact with each other in a way that demonstrates kindness and concern for their well-being. Respect their boundaries and their perspectives.

FFA

- All students will automatically become FFA members. The National FFA Organization is dedicated to making a positive difference in the lives of students by developing their potential for **premier leadership, personal growth** and **career success** through agricultural education.
- The Fort Atkinson FFA has an active chapter that offers members numerous opportunities to develop leadership and communication skills, form lasting friendships, and learn those skills needed in the job market.
 - In order to provide more members with these opportunities, the Fort Atkinson FFA will pay the state and national dues for all students enrolled in an agriculture culture. Opportunities to accumulate points will be shared in class, and members can see an advisor anytime to find out more information on accumulating points and the events going on.

Technology:

Please make sure that you **bring your Chromebook (or personal computer)** and charger to each class as we will be using them most days. Various other types of technology will be utilized throughout your agriculture course. You are expected to use the items properly and carefully, following all instructions.

CELL PHONES - Will follow the guidelines set forth in the Fort Atkinson High School Student Handbook Stated as follows:

"Use of electronic devices during the school day causes significant disruption to the learning environments and/or severe distraction to individual learners. Since FAHS students are issued a chromebook, personal electronic devices should remain off and out of sight unless expressly given permission by the classroom teacher. Definition of electronic devices include but are not limited to: cell phones, tablets, personal computers, earbuds/airpods, headphones, smart watches, cameras. Use of electronic devices is prohibited during class time, unless an extreme exception has been made by the classroom teacher and administration due to the unique need in a particular class.

Students shall be permitted to use electronic devices on school premises and at school-sponsored activities under the following conditions:

- Student use of electronic devices is permitted before 7:50am and after 3:10 pm (or after 1:30 pm on Early Release Days) unless otherwise noted.
- Students may also use electronic devices during passing times between classes and during lunch periods.

In addition,

- Electronic devices may not be used during assemblies and/or presentations.
- The use of electronic devices to take photographs or to receive or transport video images is strictly prohibited at all times in locker rooms, restrooms and other similar private areas.
- It is prohibited to take photographs and/or to receive or transport pictures or video images, with

intent to embarrass, harm or demean another student or staff member, without the consent of the

individual being captured. Students who use an electronic device in violation of this policy shall be subject to disciplinary action in accordance with established district and school procedures.

Classrooms will have one of two options for electronic device storage while in class: Safely stored in a designated pocket chart or safely stored in a basket. Students are to adhere to the classroom guidelines established by each teacher for use of electronic devices.

Students not in compliance with the electronic device policy will experience the following:

- **First violation:** A reminder given to the student to put the electronic device in the proper classroom safe storage. Refusal to comply or a repeated pattern of violation will lead directly to step 3.
- **Second violation:** The student will be requested to turn the electronic device into the classroom

teacher for the remainder of the period. Refusal to comply or a repeated pattern of violation will lead directly to step 3.

- **Third violation:** The student will be removed from class to speak with administration.

a. If the electronic device is becoming a habitual/repeated issue, administration will connect with the family to devise a better plan for the device (ie. turning electronic device into the main office at the beginning of each school day and/or parent/guardian managing device during school hours)

b. Repeat violations of electronic device use could lead to, but is not limited to detention, athletic code violations, and exclusion from outside activities that may include field trips and school-sponsored events."

EARBUDS/HEADPHONES/ETC - Earbuds/headphones/etc should NOT be in your ears/on your head while the teacher is teaching or classmates are presenting. Use of them during work time is at the discretion of the teacher, however using such devices connected to a cell phone is strictly prohibited due to the outlined policy above.

CREDIT HOUR GUIDELINES

All Western courses follow the Department of Education's Federal definition of credit hour. Typically, students enrolled in a one-credit course should plan to spend approximately 5 to 6 hours per week (in a 7-week course) attending class, completing assignments, doing homework, etc. This calculation is scaled up as the number of credits increase.

WESTERN TECHNICAL COLLEGE STATEMENTS

These statements are required to be on every syllabus. They are important reminders to ensure an inclusive learning environment for all students.

LEARNING ENVIRONMENT EXPECTATIONS: Western Technical College is committed to fostering an environment built on a foundation of integrity, teamwork, and respect for all students. In order to provide the best opportunity for student success for all, students are expected to conduct themselves (whether in-person or virtually) in a manner that complies with all civil and criminal laws, does not interfere with the educational environment, and does not endanger the safety, rights, civil rights, or health of any person. The college recognizes and upholds the First Amendment right to free speech and expression, as well as the right to be free from harassment, discrimination, or retaliation. Reference: [Student Code of Conduct Policy](#), [Student Code of Conduct Procedure](#), and [Harassment and Nondiscrimination Policy](#).

AMERICANS WITH DISABILITIES ACT and STUDENTS WITH DISABILITIES: Western views disability as an integral aspect of diversity and inclusion and is committed to providing equitable access to all students. If you have, or think you have a disability, in any area such as, attention, learning, mental health, chronic health, visual, hearing, or mobility, as well as temporary injuries or medical conditions, please contact Access Services at AccessServices@westerntc.edu or 608-785-9524 to arrange a confidential meeting to discuss reasonable accommodations.

TITLE IX and PREGNANCY/PARENTING: Western provides accommodations to students who are pregnant, have recently experienced childbirth, and/or have medical needs related to childbirth in alignment with Title IX of the Education Amendments Act. Pregnant and parenting students experiencing related medical conditions may request accommodations through the Title IX Coordinator, Ge Vang (vangg@westernnc.edu or 608-785-9444) who will assist in referring the student to Access Services at AccessServices@westernnc.edu or assessment of needs.

NON-EMERGENT EXCUSED ABSENCE POLICY: Western considers certain class absences to be officially excused without jeopardizing student academic standing. Students shall be excused from classes for mandatory religious observations, military service and/or VA appointments, jury duty, and participation in College sponsored events. Students shall not be penalized for excused absences and shall be allowed to make up missed assessments. A few exceptions apply.

PROGRAM/COURSE WITHDRAWAL POLICY: Students are encouraged to contact their College Advisor when withdrawing from a program. Students who stop attending a class must officially drop the class online or in-person at the Welcome Center at the La Crosse Campus or at one of Western's regional locations or request a withdrawal from the course in writing by emailing registration@westernnc.edu. A student is not permitted to drop or withdraw from any course(s) in which s/he has a pending Student Code of Conduct allegation.

ACADEMIC INTEGRITY POLICY: Academic integrity violations include, but are not limited to, cheating, plagiarism, falsification, and other forms of dishonest or unethical behavior and are considered a violation of the Student Code of Conduct.

Academic Dishonesty Definitions: (Details can be found in the [Student Handbook](#) on page 152.)

Violations of academic integrity include, but are not limited to, the following behaviors:

- Cheating: using or attempting to use materials, information, or communications without the permission of the instructor
- Plagiarism: intentionally or unintentionally representing another person's work as one's own
- Unauthorized Collaboration: sharing information or aiding another person during an examination or in preparing academic work without prior authorization of the instructor
- Fabrication: using invented, altered, forged, or falsified information in academic work or documentation whether in hard copy or electronic format
- Multiple submission: the submission of the same work or substantially the same work to more than one class, and/or submission of prior academic work submitted for credit at a different institution
- Academic Misconduct: other forms of dishonesty or inappropriate conduct

Academic Integrity Procedure: (Details can be found in the [Student Handbook](#) on page 153.)

To ensure a fair and timely resolution to any academic integrity allegations, the following procedure shall be implemented:

- Course level process: Faculty notifies the student of the suspicion of academic dishonesty and offers to discuss the matter in person, by phone, or via email. (OR)
- College level process: Repeat academic integrity violations and/or allegations that include possible violation of other Student Code of Conduct standards will be referred to the Dean of Students to be addressed through the Student Code of Conduct procedure.

Please refer to [Western's Student Handbook](#) for further details and information related to the above college policies.