

## Welcome to Animal Science 415- Beef Production and Management

<b>Class Times</b>	Lecture: MWF 11:00 AM – 11:50 AM Lab: R 10:00 AM – 11:50 AM
<b>Room</b>	Lecture: KH 306
<b>Instructor</b>	Dr. Keela Trennepohl
<b>Office</b>	KH 315
<b>Phone</b>	805-440-8421
<b>Email</b>	Km-trennepohl@wiu.edu
<b>Office Hours</b>	MWF 10:00 – 11:00 AM; T 9:45 – 10:45 AM
<b>Final Exam</b>	Wednesday, May 10 <sup>th</sup> 10:00 AM – 11:50 AM

### COURSE DESCRIPTION

This class will provide advanced knowledge about the beef cattle industry with a focus on seedstock and commercial cow/calf operations as well as stocker and feedlot management. Topics will include setting production goals, profitability and budgeting, cow nutrition concepts, detailed vaccination programs, use of advanced selected tools like Genemax, and government regulation and policy. We will also reach beyond these traditional concepts to explore the global beef industry and how to meet beef demands of the future global population. We will also apply recent research findings to the industry. Utilizing lecture, discussion, and lab work, we will then apply this knowledge advanced beef cattle management allowing us to explore the following questions:

- How do we effectively manage a cattle operation?
- How do we find accurate resources and understand scientific literature so that it may be applied to beef cattle management?
- What will the beef industry look like in 2050?
- How do we have a career in the beef industry?

### COURSE LEARNING OBJECTIVES

- Identify production goals and areas of improvement for cattle operations.
- Locate nutritional requirements to create balanced year round nutrition for cattle
- Recognize relevant decisions facing the operator of a cattle enterprise
- Critically evaluate marketing avenues and outcomes
- Apply current technologies and science to the beef industry.
- Define sustainable cattle management and its relationship with human and environmental health
- Describe the global beef industry and outline contributions to enhance the future of the cattle business
- Explore graduate school and career opportunities in the beef industry

### COURSE TEXT and OTHER MATERIALS

- No Required Text

- The class will use Western Online for distribution of course materials. Outlines and/or PowerPoint Presentations for class will be posted on this page in Adobe Acrobat (\*.pdf) format.

#### COURSE EXPECTATIONS

In this course, you will apply knowledge gained from previous courses including nutrition and genetics to current beef industry standards as well critically examine aspects of beef cattle production which you are not already familiar with. I have high standards for the work that you complete in this course. You are to complete it using the guidelines you receive and know that all work should be grammatically sound, well formatted, and presented in a professional manner. My vision for this course is that you will understand beef production, recognize career opportunities, expand your network, and improve both writing and communication skills. Fulfillment of this vision will not only assist you post-graduation but also make me an effective instructor

#### COURSE POLICIES AND PROCEDURES

I expect you to attend every class on time and be ready to effectively contribute. In order to help prepare you for post-graduation responsibility, I will not accept late assignments or provide make-up tests, homework, quizzes, projects, or etc. In class activities may be exempt only with a University-recognized emergency (instructor must be notified within 24 hours of absence) or official school business, if advance arrangements (at least one week prior) have been made in writing via email to the instructor. In order to provide course accessibility, class material will be available on Western Online. Please make it your responsibility to check Western Online before each lecture for any updates that may occur. There may be times when assignments or quizzes are presented online or in class without prior notice. This is to insure your attendance in lecture and ensure that you are taking responsibility for your learning in the course. If you choose to miss class or forget to check the course Western Online which results in missed graded points, you will not be given an alternative assignment. If you do miss class, it is your responsibility to check with a classmate upon your return to see what you may have missed.

Attendance will be taken on occasion in lecture. Each unexcused absence will result in a ten point reduction in overall final score in the course. **Phone use and working on other classwork not related to the lecture in progress is not permitted during lecture. Students infringing on this policy may be issued a warning and then will be subject to point reduction and/or being asked to exit the classroom.**

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Resource Center, at 298-2512 as early as possible in the term.

Maintaining high ethical standards is of utmost importance, not only for this class, but as a student, in a professional career, and in your personal life. I expect everyone in this class to uphold Code of Student Conduct in Student Handbook and be familiar with all

applicable policies including but not limited to academic dishonesty and disruptive behavior. Any breach of this code will result in, at minimum, a failing grade for the course. To access the Policy, please visit <http://www.wiu.edu/policies/acintegrity.php> and <http://www.wiu.edu/vpas/policies/disrupst.php>. In addition, students have certain rights and responsibilities to be aware of as seen online at: <http://www.wiu.edu/provost/students.php>. Tobacco use of any form is not allowed during class and texting is prohibited. **No animals except for service animals are allowed in lecture class or lab.**

Students should have coverage for major medical, surgical and emergency expenses, either through their parents/guardians, or a personal health insurance policy. WIU Health Services provides outpatient medical attention to all students; additional health services are available at a low cost.

### **Attention Education Majors:**

The changes within the Illinois State Teaching License requirements, students are required to receive a grade of a "C-" or better in this course in order to meet state requirements. With the university's +/- grading system, receiving a grade below a "C-" will require you to retake this course or find a substitute course to meet School of Agriculture graduation requirements.

### *OFFICE HOURS*

I am very happy to meet with you during office hours and to confer with you by email (please use your wiu.edu address). If your schedule prohibits you from attending my office hours, please make an appointment or if my door is open just stop by. Please come prepared and it always to best to come before you have a serious problem. You will find that if you put forth a deserving positive effort, I will do my absolute best to help you succeed.

### *COURSEWORK and GRADING*

Final grade in class based on a percentage of total possible points accumulated in both lecture and laboratory.

### Assignments/Class Activities

- 100 points total
- Announced in class
- One missed results only in assigned point loss. Two missed results in 10% reduction in overall grade. Three missed results in 20% in overall grade. Four missed results in failing the course.

### Cattle Operation Project

- 300 points total
  - Part 1 – Gather your thoughts – 50 points
  - Part 2 – Select and develop focus sections – 50 points
  - Part 3 – Develop your final plan – 100 points

- Part 4 – Present – 100 points

#### Laboratory

- 120 points total
  - 12 labs – 10 points each
- All students are expected to attend the laboratory. You will not be given the opportunity to have a make-up lab for unexcused absences. If you are unexcused the following apply: miss one lab, your lab grade will be no higher than 85%, two labs no higher than 75%, three missed labs no higher than 60%, and missing four or more will result in a grade of 0% for the laboratory section. Students are also held responsible for dressing appropriately and for posted lab material and safety handouts.

Final grade - minimum percentages.

A	=	90-100%
B+	=	87 – 89.99%
B	=	80 – 86.99%
C+	=	77 – 79.99%
C	=	70-76.99%
D	=	60%

At the end of the semester, grade percentage breaks may be lowered, but never raised.

Individual scores will be recorded on Western Online for student's information only and are NOT the final grade determination. Any discrepancy in Western Online scores need to be brought to the instructor's attention early in the quarter in order for any correction to be made prior to the end of the quarter.

#### *COURSE OUTLINE*

Course will follow the outline of the required text. Powerpoint presentations will be used so it will be imperative to reference and read the text to keep up with the pace of the course.

This syllabus is subjective to change as the course progresses.