

Dairying  
ANS 597  
Summer II 2014

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I am currently serving as Interim Farm Manager for the university so I will be in and out of the office throughout the semester. If you have questions about the class, an assignment, or any other related class concern you can contact me online through the class course website. This may be beneficial to others in the class as well but be aware that other students in the class will be able to see the posts as well. For more personal issues or concerns please email me as anything you post in the online course may be seen by others. You are more than welcome to drop by the office or give me a call but be aware that I have no set schedule. I'll be happy to make an appointment if needed.

## **Materials – Textbooks:**

Required Material:

All required material will be provided as handouts in PDF format. Dr. Jeffrey Stevenson has graciously provided us with materials that he uses in the dairy science class taught at Kansas State University. I would like to thank him and those before him that put this material together.

This manual has been used by thousands of students at Kansas State University during the past 35 years. It contains numerous contributions by current and former faculty including Drs. Edward P. Call, J. Richard Dunham, Charles L. Norton, James L. Morrill, and John E. Shirley. As current instructor, I thank my predecessors for their contributions and trust that the reader will find enjoyment by learning more about the magic and wonder of the U.S. dairy cow and the dairy industry.

*J. S. Stevenson*

**Recommended Textbook:** This may be helpful by providing more information, figures, and photos.

Dairy Cattle Science (4<sup>th</sup> Ed.). Howard Tyler and M.E. Ensminger. Prentice Hall. 2005.

## **Course Overview**

**Information written in red is how the course will be different for you compared to ANS 311.** The material in the course will be covered in 6 sections. To cover all the material, we will need to cover a section every 3-4 days (weekdays). My aim is to make this course as interesting and engaging as possible. One of the ways I hope to accomplish this is to generate opportunities for online discussion and interaction between us as well as among yourselves. Therefore,

## For Each Section:

1. Read the section: Look for interesting or novel concepts. Try to get a good overview of what the section is trying to cover and understand the main concepts and ideas.
2. Identify any terms or concepts that you don't know, understand, or is confusing. Then go to the question and answer section listed under each section. Ask for help or clarification and check regularly for questions and answers from others.
3. Post a discussion thread (under each section heading) that will give opportunity for the other students to respond. Tentative due dates listed below You should begin reading the next section on the due dates. For the first week use the class notes and the article "The drive for efficiency". After that we will look for more in depth or challenging issues or topics for your discussion. Look for a unique insight to the dairy industry or maybe a particular concept or idea you just want to emphasize. You could propose a question that would allow others to offer their opinion or give insight. I am looking for posts that are engaging and show effort and thought. I am thinking 3-4 sentences but there is no limit. For example, posts will be graded according to the following:
  - a. Does the post show thought and understanding of an idea or concept that will allow others to further elaborate and become more connected with the subject?
  - b. Does the post raise an alternative viewpoint or insight that is different or unique that allows others to think of an idea or principle in a different way.

### Discussion Post Rules

- i. If needed I may suggest or ask you to alter a post that is inappropriate or inadequate in order to enhance the learning experience. In addition, I may also add a post or respond to other post to contribute to the discussion.
  - ii. Remember to be civil and cordial to others and their opinions. It is OK to disagree or provide an alternative view but it can be done in a positive manner that is not personal or combative. If needed I reserve the right to take action against posts that I deem inappropriate including removal of the post, loss of points, and/or up to removal from the class.
4. Respond to all other posts posted by me and all other classmates. You will need to respond to all other posts. It may be to emphasize what has been previously said but in a different way, it may be a new or different insight, or it may be a different or alternative opinion.
  5. Read the current topic article provided. Due before the section quiz (it will be covered on the quiz). I would like throughout the course for you to also read popular press or extension articles from *agricultural or dairy publications*. Examples would be from Hoard's Dairyman, Dairy Herd Management, Agweb, etc... Material from the article will be included in any quiz or test material.
  6. For each section write and submit 5 quiz or exam questions based on material from the section. Instead of actually taking a quiz, I would like you to write a quiz or exam that you would give to the ANS 311 students. Until this last semester I hadn't had

any real experience writing questions and it is more difficult than you think to ask clearly, concisely, and cover adequately the students understanding of the subject. So as you do this put yourself in my position and ask, "am I comfortable that these questions adequately do what they are meant to do?".

7. In each section will be an assignment specific to ANS 597 students

## Exams/Research Papers

## Labs/Field Trips

We are tentatively planning to visit and tour dairies on Monday July 14<sup>th</sup> and on Monday July 28<sup>th</sup>. We will leave from campus early approximately 8 A.M. and will return around 5 P.M. An assignment or report will be given for each field trip.

## Tentative Schedule

Due dates below is when you should post your original discussion thread AND start reading the next section.

July 10<sup>th</sup> – Section 1 post due  
July 15<sup>th</sup> –Section 2 post due  
July 21<sup>st</sup> – Section 3 post due  
July 25<sup>th</sup> – Exam 1  
July 25<sup>th</sup> – Section 4 post due  
July 30<sup>th</sup> – Section 5 post due  
August 4<sup>th</sup> – Section 6 post due  
August 7<sup>th</sup> – Exam 2

## Grading

Message board posts	20%
2 Field Trip Assignments	20%
Quizzes	20%
Graduate Topic Assignments	<u>40%</u>

**100%**

Each original section post and response to other posts will be worth 5 points each. An original post that is posted a day late will only be eligible for 2.5 points and a post 2 days late will not receive any points.

## Prerequisites

ANS 118: Introduction to Animal Science

## Learning Outcomes

1. Describe the characteristics of the dairy industry including recognizing the major dairy breeds in the U.S, characteristics of dairy herds and practices, and marketing of dairy products.
2. Understand how dairy cattle are visually and functionally evaluated.
3. Describe how dairy herds are improved through genetic selection.
4. Understand components and characteristics of dairy feed and feeding of young calves, dry cows, and lactating dairy cows.
5. Understand current strategies and difficulties in breeding dairy cows.
6. Describe the anatomy of the udder, milk synthesis, milk letdown, and composition of milk.

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

### Course Specific Procedures

#### Academic Honesty

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including (but not limited to) receiving a failing grade on the assignment, the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. In **ALL** instances, incidents of academic dishonesty will be reported to the Department Head. Please be aware that academic dishonesty includes (but is not limited to) cheating, plagiarism, and collusion.

*Cheating* is defined as:

- Copying another's test or assignment
- Communication with another during an exam or assignment (i.e. written, oral or otherwise)
- Giving or seeking aid from another when not permitted by the instructor
- Possessing or using unauthorized materials during the test
- Buying, using, stealing, transporting, or soliciting a test, draft of a test, or answer key

*Plagiarism* is defined as:

- Using someone else's work in your assignment without appropriate acknowledgement
- Making slight variations in the language and then failing to give credit to the source

*Collusion* is defined as:

- Collaborating with another, without authorization, when preparing an assignment

If you have any questions regarding academic dishonesty, ask. Otherwise, I will assume that you have full knowledge of the academic dishonesty policy and agree to the conditions as set forth in this syllabus.

## **University Specific Procedures**

### **ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

### **Office of Student Disability Resources and Services**

**Texas A&M University-Commerce**

**Gee Library 132**

**Phone (903) 886-5150 or (903) 886-5835**

**Fax (903) 468-8148**

Go to the following email address: [StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)

Go to the following link: [Student Disability Resources and Services](#)

### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook*). Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum, go to the following link: <http://www.albion.com/netiquette/corerules.html>.