

ADSC 3420
Physiology of Lactation in Farm Animals
Spring 2010

INSTRUCTOR: Dr. Stephen C. Nickerson
124 Animal and Dairy Science Complex
542-0658 (Office) or 542-0959 (Secretary: Ashley Ryer)
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OFFICE HOURS: Monday-Wednesday-Friday 9:00 a.m. - 11:00 a. m.
Tuesday-Thursday 2:00 p.m. - 4:00 p.m.
For appointments Call 542-0658

CLASS TIME: Monday, Wednesday, Friday 12:20 p.m. - 1:10 p.m.
101 Animal and Dairy Science Complex

TEACHING ASSISTANT: Undergraduate Assistant: Kenny Kotani kkotani@uga.edu
Graduate Assistant: Juan Jose Castro juanjo1@uga.edu
Technician: Felicia Kautz fkautz@uga.edu

RECOMMENDED TEXT: Lactation and the Mammary Gland - R. Michael Akers, 2002

REFERENCES: Biology of Lactation - G. H. Schmidt, 1971
Lactation Volumes I, II, III, IV - B.L. Larson and V. R. Smith
Lactation - B. L. Larson 1995, 2nd printing

WEB SITE: WebCT UGA

GRADING:	<u>Points</u>
	Quizzes..... 100
	Test #1.....100
	Test #2.....100
	Test #3.....100
	Paper..... 100
	Final Exam..... <u>100</u>
	600

A: 600-540; B: 539-480; C: 479-420; D: 419 - 360; F: 359 - 0

ATTENDANCE: Will be taken and considered when assigning final course grade.
For example, using the grading scale above, a student with final course points totaling 539 with excellent attendance will receive an "A" for the course.

QUIZZES

A quiz will be given every FRIDAY during class.

If you miss a quiz, you need to call to arrange a make-up. This must be done before the next CLASS (Monday's Class) or you will receive a zero.

The lowest quiz grade will be dropped.

FINAL EXAM

Taking the Final Exam is optional. If you do not take the final, your final grade for exams will be the average of your three exams. If you take the final, you may replace the lower of your exam grades with your final exam grade.

TERM PAPER:

You will choose any mammalian species other than the cow and compose a paper describing the physiology of lactation in that species. The paper will be at least 3 pages (double spaced, 1" margins) and will be turned in. Illustrations and photographs, if available, are desirable. At least three references must be cited and placed in *Journal of Dairy Science* format (examples below). A list of mammals of the world is found at:

http://www.mammals-worldwide.info/mammals/to_the_mammals.htm

Format examples (alphabetical order):

1. Seymour, E. H., G. M. Jones, and M. L. McGilliard. 1989. Effectiveness of intramammary antibiotic therapy based on somatic cell count. *J. Dairy Sci.* 72:1057–1062.
2. Stock, R. A., J. M. Lewis, T. J. Klopfenstein, and C. T. Milton. 1999. Review of new information on use of wet and dry milling feed by-products. In *Proc. Am. Soc. Anim. Sci.* Available at:
<http://www.asas.org/jas/symposia/proceedings/0924.pdf>.
Accessed on January 20, 2008.
3. Van Soest, P. J. 1994. *Nutritional Ecology of the Ruminant*. 2nd ed. Comstock Publishing Associates, Ithaca, NY.