



**MAKE-UP EXAM POLICY:** Students that know they will miss an exam for a valid reason must contact the instructor prior to the exam to make arrangements to take the exam early. Make-up exams may be given in extreme cases at the discretion of the instructor. A grade of zero will be given for missed exams.

**EXTRA CREDIT:** You can earn 8 points each by participating in one or both of the following extra credit opportunities:

**Little International Stock Show:** This activity requires about 3 weeks of preparation with an assigned animal (dairy calf, beef heifer, yearling horse, sheep, or pig) to learn about animal handling and competitive showing. Students compete against other students with similar experience levels in their ability to exhibit their animal to the best advantage.

**ADS Academic Quadrathlon:** This is a competition, by teams of four students, applying their knowledge in Animal and Dairy Sciences. The winning team from the department will represent UGA in **Orlando, FL in early February, 2010**. The competition consists of a practicum exam, written exam, oral presentation, and quiz bowl competition. You may think you are at a disadvantage compared to our upperclassmen, in terms of knowledge, but it is good practice to ensure that you are prepared when you become juniors and seniors. Who knows, you may even have *FUN*. HINT: The most successful teams are those where members have diverse backgrounds (one with cattle experience, one with horse experience, etc.), providing an “expert” for each specie.

#### COURSE OBJECTIVES:

1. Students will develop an understanding of animal growth and development; muscle biology; and fundamentals of genetics, nutrition, endocrinology, reproductive physiology, animal health, and animal selection and mating systems involved in the production of food animals.
2. Students will gain an enhanced awareness of the breadth and scale of the animal science field and career opportunities associated with it.
3. Students will develop a foundation of terminology and understanding of the science of animal production systems necessary for successful completion of advanced animal science courses.
4. Students outside of the Animal and Dairy Science majors will be given the opportunity to gain an understanding and appreciation for the large animal production systems.
5. Students will be encouraged to become involved in departmental and university extracurricular activities.

## TENTATIVE LECTURE SCHEDULE:

<b>TOPIC</b>	<b>Chapter in Taylor and Field</b>
Terminology	Table B (Inside back cover)
World Overview of Agriculture	1
Professions in Animal Science	37
Uses of Animals by Man	1
Statistics for U.S. Farm Animals	2
Breeds of Farm Animals	25, 27, 29, 31, 33, 36
Meats	3, 8
Nutrients and Their Functions	15, 17
Feeds Evaluation (Digestibility and Energy)	15
Nutrient Utilization in Monogastrics	16
Nutrient Utilization in Ruminants	16
Basic Genetics	12
Selection and Mating Systems	13, 14
Reproductive Tract Anatomy	10
Hormones of Reproduction	10
Pregnancy and Parturition	10, 11
Mammary Gland Structure and Lactation	19
Dairy Production	19, 27, 28
Beef Production	25, 26
Swine Production	29, 30
Horse Production	33, 34