

COLLEGE OF ARTS AND SCIENCES
Sam Houston State University

Course Description and Syllabus

DEPARTMENT: Agricultural and Industrial Sciences
COURSE NUMBER AND TITLE: AGR 373; Animal Nutrition
SEMESTER: Mini Session 2008
LOCATION OF CLASS MEETING: THOM, Rm 322
CLASS MEETING TIME: Monday - Friday, 12:00 – 3:50
INSTRUCTOR: Stanley F. Kelley, Ph.D., Department Chair and Professor
OFFICE LOCATION: Thomason - Room 222
TELEPHONE: Telephone: 294.1189 (office); 979.690.8221 (home)
e-mail: sfkelley@shsu.edu
OFFICE HOURS: By appointment

COURSE DESCRIPTION: **Students will...** learn a basic knowledge for the understanding of animal nutrition through the fundamentals of...

...physiology of digestion, anatomy, and function of the various digestive tracts.

...utilization and metabolism of water, carbohydrates, lipids, proteins, vitamins, and minerals.

REFERENCE AND TEXTBOOK: Basic Animal Nutrition and Feeding, Church, D.C. and W.G. Pond, 4th. Ed., John Wiley and Sons Pub., NY.

Supplemental Notes, Kelley, S.F., Eagle Graphics.

ATTENDANCE POLICY: Regular and punctual class attendance is expected. If a student misses an exam due to an **EXCUSED** absence, arrangements must be made **IN ADVANCE** with the instructor to take the exam. Otherwise, make-up exams will be comprehensive and scheduled at the end of the semester.

EXAMS AND GRADING PLAN: The course will consist of four exams. Grades will be determined based upon the equal weighing of four (4) lecture exams.

Exam I	25%
Exam II	25%
Exam III	25%
Exam IV	<u>25%</u>
	100%

Grade distributions will be based upon the following scale:

A = 90 – 100; B = 80 – 89; C = 70 – 79; D = 60 – 69; F = <60

ACADEMIC DISHONESTY: All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain

complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Cheating **WILL NOT** be tolerated. Students caught cheating on an exam or micro-quiz will be given a zero (0) for the exam or quiz grade and a letter will be written to the student's file.

CLASSROOM RULES OF CONDUCT:

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Cellular phones and pagers must be turned off before class begins. Students are prohibited from making offensive remarks, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engage in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

AMERICANS WITH DISABILITY ACT:

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling 936.294.1720.

RELIGIOUS HOLIDAYS:

University policy states that a student who is absent from class for the observance of a religious holy day shall be permitted to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. A student who wishes to be excused for a religious holy day must present the instructor with a written statement describing the holy day(s) and the travel involved. The instructor should provide the student with a written description of the deadline for the completion of missed exams and/or assignments.

COURSE OUTLINE:

- I. Orientation and Introduction
Importance of Nutrition
- II. History of Nutrition
- III. The Digestive System: Anatomy and Function
 - A. Non-Ruminant
 - B. Ruminant

- C. Equine
- D. Poultry

IV. Digestion
Absorption

V. Fundamentals of Feed Nutrients

**** EXAM I ****

VI. Water: Its Role and Requirements

VII. Proteins
Classification System
Amino Acids
Function and Metabolism

**** EXAM II ****

VIII. Carbohydrates
Classification System
Functions
Digestion and Absorption
Metabolism

**** EXAM III ****

IX. Lipids
Classification System
Functions
Digestion and Absorption
Metabolism
Deficiencies

**** EXAM IV - Non-Comprehensive Final ****

This syllabus is subject to change depending on time constraints. Grades will be equally weighed upon the change or modification announced in class.