

**COLLEGE OF ARTS AND SCIENCES**  
**Sam Houston State University**

Course Description and Syllabus

**DEPARTMENT:** Agricultural and Industrial Sciences  
**COURSE NUMBER AND TITLE:** AGR 575 - Statistical Methods in Agriculture  
**SEMESTER:** Fall 2007  
**LOCATION OF CLASS MEETING:** THOM, Rm 320  
**CLASS MEETING TIME:** Monday, 6:00 – 9:00  
**INSTRUCTOR:** Stanley F. Kelley, Ph.D., Professor - Animal Science  
**OFFICE LOCATION:** Thomason - Room 222  
**TELEPHONE:** Telephone: 294.1189 (office); 979.690.8221 (home)  
e-mail: [sfkelley@shsu.edu](mailto:sfkelley@shsu.edu)  
**OFFICE HOURS:** As posted or by appointment

**COURSE DESCRIPTION:**

1. Advanced agriculture students will understand the techniques to conduct statistical analyses utilized in reporting research in agriculture
2. Students will learn and understand how to interpret statistical analyses and reports generated through agriculture research and statistical programs.

**REFERENCE AND TEXTBOOK:** McClave, J.T. and T. Sincich. Statistics. 10th Ed., MacMillan Pub., 2006.

**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. Reports and homework are to be turned in on the scheduled due date, otherwise, ten (10) points will be deducted from the original grade for each day late.

**EXAMS AND GRADING PLAN:** Grades will be determined based upon the following scale.

Mid Term Exam	25.0%
Final Exam	25.0%
Homework	25.0%
Project	<u>25.0%</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
- II. Statistics
- III. Describing Data
- IV. Analysis of Variance
- V. Chi-Square
- VI. Regression