

Course Objectives:

After completing this course, the student will have learned to :

- Apply a variety of statistical techniques to analyze data.
- Understand how the most commonly reported statistics are calculated and how to interpret them.

Course Structure:

The lectures will emphasize concepts, motivation, interpretation, and present vocabulary. Statistical formulas will be given and discussed on a heuristic basis. Mathematical derivations of the formulas will not be presented. Homework problems will be assigned, but not always collected. In class problems will be assigned but not always collected.

Exams:

There will be four midterm exams and a comprehensive final exam (only the highest 4 grades will count). Each exam may consist of a combination of multiple choice, numeric problems, and short answer questions. Most complicated formulas will be provided and need not be memorized. Make-up exams will not be given. If a student misses one exam, that will be the grade that is dropped. If a student misses two exams, the student will receive an F in the course.

Course Grade:

The highest 4 grades will be averaged to determine the course grade.

The letter grade will be based on the standard scale. Additional curving of grades is possible but not anticipated.

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
below 60	F

Homework:

This course relies heavily on in-class and out of class assignments for learning the material. Homework will generally not be turned in and graded so it is the student's responsibility to complete it in a timely manner.

STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

DISABLED STUDENT POLICY

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 help with academically related problems stemming from individual disabilities from their instructors, school/department chair, or by contacting the Chair of the Committee for Continuing Assistance for Disabled Students and Director of the Counseling Center, Lee Drain Annex, or by calling (936) 294-1720.

Americans with Disabilities Act

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until you register with the Counseling Center.

Attendance Policy:

Role may be taken each class, however it will not factor directly into the student's grade. Regular attendance is required in order to succeed in this class. Exams will primarily cover material emphasized in class, some of which may not be contained in the textbook. It is now University policy that attendance be recorded so that the administration can be notified on the 12th class day which enrolled students have never attended class. Also we must report the final class date attended by any student who receives an F.

Other Classroom Policies:

All cell phones and pagers must be turned off during class.

No hats may be worn on exam days.

No student may begin an exam after the first student in the class has left.

No student may leave the classroom during an exam unless he/she is finished with the exam.

Important Dates:

Labor Day Holiday	September 3
Last day to drop a class without a grade of F	October 10
Thanksgiving Holidays	November 21-23
Last day to resign	December 6
Last class day	December 6

Exam dates:

Exam 1	September 19
Exam 2	October 10
Exam 3	November 5
Exam 4	December 3
Final Exam	MW 8-9:30 class : December 10, 8:00 A.M. MW 9:30 – 11 class: December 12, 8:00 A.M. MW 11-12:30 class: December 12, 11:00 P.M.

Tentative Course Outline:**Exam 1:**

Introduction and review of important concepts from BAN 232
Confidence intervals for the population mean, proportion, and standard deviation or variance: ch 7, some parts not in text.
Hypothesis testing for the population mean, proportion, and standard deviation or variance: ch 8, some parts not in text.

Exam 2:

Comparisons of the means, proportions, and standard deviations or variances from two samples: ch 9, some parts not in text.

Exam 3:

Chi-square Goodness of fit tests and tests of independence: ch 10
Analysis of Variance tests: ch 13

Exam 4:

Simple linear regression: ch 11
Multiple regression: ch 12