

Sul Ross State University
GBA3352 - Quantitative Systems in Business
Spring Semester 2021

Instructor: Dr. Gregory Roof

Phone: 281-903-4298

Text: Introductory Business Statistics. Openstax Rice Univ. gregory.roof@sulross.edu

Link to textbook: <https://openstax.org/details/books/introductory-business-statistics>

Classroom: BAB-317

Office: BAB-311

COURSE DESCRIPTION: This course is a study of statistical data analysis and statistical inference, including estimation of population parameters, hypothesis testing, linear regression and correlation. The course includes the use of computer technology in handling statistical data. Prerequisite: Math 1314

COURSE OBJECTIVES: Throughout this course, each student will have the opportunity to

- gain an understanding of key principles in probability and statistics
- apply statistical analysis to business problems
- acquire knowledge on the use of statistical tools embedded within spreadsheet software

METHOD OF EVALUATION: Each student will earn a grade in the course according to the following assignments:

- There will be two tests, each worth 25% of the final grade given at appropriate times throughout the semester. Each will consist of a series of multiple choice questions and may include several short-answer/essay questions.
- There will be one final project, worth 50% of the final grade due at the end of the semester. The purpose of the project is to demonstrate the use of statistical software in analysing business problems.
- Each assignment will be numerically graded on a scale from zero to one-hundred and final letter grades will be assigned according to the following ranges: 90-100=A, 80-89=B, 70-79=C, 60-69=D, 59 or below=F.

MAKE-UP POLICY: No make-up tests will be administered and students who are absent from an examination session without a legitimate excuse will receive a grade of zero for the missed test. A legitimate excuse includes a verifiable documented medical emergency involving a student or a member of the student's immediate family. A student who has a legitimate excuse for missing a test will be allowed to take a comprehensive final exam in place of the missed test. A make-up final exam will be given only in the most extreme situations and must be completed by the last official date of the current semester. A grade of **I** will be issued only as a last resort in accordance with university policy.

ATTENDANCE AND DROP POLICY: All students are expected to attend all scheduled class sessions. Students desiring to drop this course should do so through the office of the registrar by the **official drop date -- APRIL 1st, 2021**. Any student who disrupts the educational process of this class or who is found engaging in academic dishonesty will receive a failing final grade and will be barred from further attendance. **Cell Phones are disruptive and MUST be in the off or silent position at all times while in the classroom.**

Class Calendar
GBA3352 - Quantitative Systems in Business
Spring Semester 2021 - Dr. Roof

January 11, 2021

This calendar indicates examination dates and general topics that will be covered during the semester. We are remote until the University directs us back into the classroom. A detailed calendar will be provided once we return to face-to-face instruction which, at this point, is scheduled for January 25th. Changes to this schedule are possible. Examination date changes will be announced at least one week before the change takes effect.

Unit #1 Basic Probability and Statistical Concepts
Textbook: Chapters 1-7
Exam #1 Wednesday 2/10/2021

Unit #2 Use and interpretation of statistical tests and linear regression
Textbook: Chapters 8-13
Exam #2 Wednesday 3/17/2021

Unit #3 Project
Project due: Wednesday 4/28/2021

***** IMPORTANT DATES *****

January 18	Martin Luther King Day - No class
March 8-12	Spring Break - No class
April 2	Good Friday - No class

Sul Ross State University

Department of Business Administration - Additional Information

Student Learning Outcomes:

SLO 1 Analyze and solve business problems across major business functions, using fundamental business principles and strategies

SLO 2 Communicate business information through written, oral and other delivery processes

SLO 3 Identify and discuss the impact of ethical and social responsibility issues in business

Marketable Skills:

Marketable Skill 1: Students will have the ability to apply the principles of business they learn to the management of existing businesses or the creation of new businesses.

Marketable Skill 2: Students will have the ability to use research and analysis to make informed decisions.

Marketable Skill 3: Students will have the ability to write business letters, emails, resumes and reports

Marketable Skill 4: Students will have the ability to make effective oral presentations to both professional and general audiences.

Library Resources:

The Sul Ross Library offers FREE resources and services to the entire SRSU community. Access and borrow books, articles, and more by visiting the library's website, library.sulross.edu. Off-campus access requires logging in with your LoboID and password. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

Students with Special Needs (ADA Compliance):

Sul Ross State University (SRSU) is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the Student's responsibility to initiate a request. Please contact Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.