

**SUL ROSS STATE UNIVERSITY**  
**Department of Business Administration**  
**QUANTITATIVE SYSTEMS IN BUSINESS**  
**(BUSINESS STATISTICS)**  
**Fall Semester, 2015**  
**GBA 3352:W01**

Office: ACR 107 Room: Web  
delivered

Instructor: Dr. Rafael Azuaje  
E-mail: [razuaje@sulross.edu](mailto:razuaje@sulross.edu)

Office Hours: Mondays: 1:15 pm-3:15 pm  
Tuesdays: 10:45 am-11:45 am; 3:15 pm-4:25 pm  
Wednesdays: 9:00 am-11:00 am  
Thursdays: 10:45 am-11:45 am; 3:15 pm-4:15 pm

**TEXTBOOK**

***Modern Business Statistics with Microsoft® Excel®, 5th Edition***

David R. Anderson; Dennis J. Sweeney; Thomas A. Williams

ISBN-10: 1-285-43330-0

ISBN-13: 978-1-285-43330-1

**PROGRAM LEARNING OBJECTIVES**

- PLO 1: Analyze and solve business problems across major business functions, using fundamental business principles and strategies  
PLO2: Communicate business information through written, oral and other delivery processes  
PLO3: Identify and discuss the impact of ethical and social responsibility issues in business  
PLO4: Identify and describe the major components of the external business environment

**COURSE OBJECTIVES**

The objectives of this course are:

- To establish understanding of the basic concepts underlying statistical data collection, presentation, analysis, basic probability theory, estimation techniques, hypothesis testing;
- To prepare students to encounter more advanced statistics in courses for which GBA 3352 is either recommended or is a prerequisite.

**COURSE POLICIES**

The emphasis of this course is on student learning and understanding. Students are expected to participate regularly and to comply with all requirements outlined by your instructor (Dr. Azuaje). Students are responsible for abiding by all published University rules and regulations, including attendance. The SRSU Student Handbook and other official University publications outline specific regulations and requirements.

SRSU supports equal educational opportunities for all persons. Qualified students with disabilities needing academic or other accommodations should contact the Disability Services Coordinator. Please make an appointment with the Coordinator and the professor to discuss individual needs and arrange for appropriate and reasonable accommodations.

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**A student could be dropped from this class if such student fails to participate on a regular basis, please contact the instructor in advance if you run into a hardship that will prevent you from such participation. No make ups are allowed unless arrangements are previously made.**

***Distance Education Statement:*** Students enrolled in distance education courses have equal access to the university's academic support services, library resources, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should submit online assignments through Blackboard or SRSU email, which require secure login information to verify students' identities and to protect students' information. *[If the course requires students to take proctored exams or to purchase additional software or equipment, please describe those requirements here.]* The procedures for filing a student complaint are included in the student handbook. Students enrolled in distance education courses at Sul Ross are expected to adhere to all policies pertaining to academic honesty and appropriate student conduct, as described in the student handbook. Students in web-based courses must maintain appropriate equipment and software, according to the needs and requirements of the course, as outlined on the SRSU website.

### EVALUATION

Exam 1 (based on chapters 1 and 2)	15%
Exam 2 (based on chapters 3 and 4)	15%
Exam 3 (based on chapters 5 and 6)	15%
Exam 4 (based on chapters 7 and 8)	15%
Final Exam (based on chapters 9 and 10)	20%
Homework	20%

### GRADING SCALE

90-100%	A (Excellent)
80-89%	B (Good)
70-79%	C (Average)
60-69%	D (Poor)
59%-lower	F (Failure)

### **COURSE SCHEDULE (Subject to Change at Discretion of the Instructor)**

Week 1	Introduction to Course; Chapter 1
Week 2	Chapter 2 - Organizing Data
Week 3	Chapter 3 – Averages and Variation
Week 4	Chapter 3 continued and Chapter 4 – Regression and Correlation
Week 5	Chapter 4 continued
Week 6	Chapter 5 – Elementary Probability Theory

Week 7	Chapter 5 continued; Chapter 6 – Binomial Probability Distribution
Week 8	Chapter 6 continued
Week 9	Chapter 7 – Normal Distributions
Week 10	Chapter 8 – Introduction to Sampling Distributions
Week 11	Chapter 9 – Estimation, Sections 9.1 & 9.2
Week 12	Chapter 10 – Hypothesis Testing
Week 13	Chapter 10
Week 14	Final exam

**Final Exam Date will be determined by University**

### **Exam Schedule**