

**Course Syllabus**  
**MATH 1342-001: Statistics**  
**Summer I 2015**

**Instructor:** Dr. Angela Brown

**Office Number:** ACR 107B

**Office Telephone Number:** (432)837-8223

**Email Address:** abrown4@sulross.edu

**Office Hours:** MTWR 9:40-11:40, others by appointment

**Time and Place of Class Meetings:** MTWRF 8:00-9:35 pm ACR 204

**Prerequisites:** Completion of MATH 0301 (A,B, or C) or one of the following: THEA/TASP Math 230, COMPASS Math 039, ACT Math 19, SAT Math 500, TAKS Math 2200, ASSET Math 38, ACCUPLACER Math 063, MAPS Math 613.

**Required Textbooks:** Triola, M.F. Elementary Statistics, 12th edition. Pearson. ISBN 0321836960

**Other Equipment Needed:** calculator (cell phone is not an acceptable calculator)  
ruled paper or graph paper (for graphical presentation of data)  
some type of straight-edge or ruler (for graphical presentation of data)

**Mathematics Program Learning Objectives:** The graduating student should be able to:

- Apply knowledge of basic mathematics principles.
- Identify and provide valid proofs or solutions for theorems or problems.
- Recognize and dispute invalid mathematical statements by using counter-examples.

**Learning Objectives** By the end of the course, the successful students will be able to:

Evaluate validity of statistical studies/representations

Correctly represent data using frequency distributions

Describe and interpret data in terms of measures of central tendency and variation

Solve applied problems using properties of a normal distribution

Solve applied problems using hypothesis testing

Use computer software in solution/presentation of statistical data

**Grading Scale:** 90-100 A, 80-89 B, 70-79 C, 60-69 D, 59-Below F

**Grading Policy:** The grade weighting will be as follows:

Quizzes/Homework/Classwork: 30%

Exams : 40%

Final Exam: 30%

**Quizzes:** Quizzes will be given periodically. You will have advanced warning of most quizzes. Additional in class assignments will be given and counted the same as quiz and homework grades.

**Homework:** Homework will be assigned daily and homework will be taken up at the beginning of class on Friday. Homework will be graded on completion and accuracy. Copying answers out of the back of the book is plagiarism and will be prosecuted. All homework will be posted on Blackboard for the course.

**Exams** There will be three exams in addition to the final exam. All exams will be closed notes, closed book. No make-up exams will be given unless due to a school function. If you miss an exam with a valid excuse, the grade you make on the final exam can replace this grade.

The final exam is on Tuesday July 7 at 8:00 am.

**General Policies:** You are expected to bring all necessary materials and take notes and participate. You are expected to turn-off and not to access any electronic, non-task oriented device such as cell/smart phones/pads and i-pods. Again, a cell phone cannot be used as a calculator. Devices for recording the lecture are permitted; either audio or video. If any electronic device goes off during a test or quiz, you will forfeit your right to complete said test or quiz.

Any personal business must be conducted during office hours or by appointment. I will only discuss grades and attendance issues in my office. Classroom time is for the entire class.

**Attendance Policy:** Students are expected to attend every class. If class must be missed, the student is expected to get the notes from a classmate, and to check with me or on Blackboard for announcements and updated assignments. You are expected to check your Sul Ross e-mail account. Absences due to school functions should be discussed with me ahead of time.

Students are expected to arrive to class on time. If a student is perpetually late, they will be asked to not attend class unless they arrive on time. If tardiness becomes a problem for the class as a whole, people who arrive late will not be permitted to enter the class. If this stricter policy becomes necessary, there will be an announcement made in class.

It is policy of the university to drop a student with a grade of “F” if 9 hours or more of class are missed. For this course that would be 6 or more class sessions missed.

**Americans With Disabilities Act:** As an instructor, I am required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing the instructor for MATH 1342 of their need for accommodation and in providing authorized documentation through designated administrative channels. If you need to request such accommodations, please contact the ADA Coordinator in Counseling and Accessibility Services, Ferguson Hall 112, 432-837-8203.

**Important Dates:**

- June 2 First Day of Classes
- June 4 Last Day for Late Registration and Schedule Changes
- June 25 Last Day to Withdrawal from University or Drop Classes with a Grade of “W” (by 4 pm)
- July 7 Final Exams

Tentative Schedule-Subject to Change

Mon		Tues		Wed		Thur		Fri	
		6/2	Ch 1 Overview	6/3	Distributions, Histograms and Graphs	6/4	Measures of Center	6/5	Measures of Variation
6/8	Measures of Relative Standing	6/9	Standard Normal Distribution	6/10	Exam 1	6/11	Applications of the Normal Distribution	6/12	Sampling Distributions and Estimators
6/15	Central Limit Theorem	6/16	Assessing Normality	6/17	Estimating Population Proportions	6/18	Estimating Population Mean	6/19	Estimating Population Standard Dev/Var
6/22	Hypothesis Testing	6/23	Testing Claims for Means	6/24	Exam 2	6/25	Testing Claims for Standard Dev/Var	6/26	Two Means: Independent Samples
6/29	Two Means: Dependent Samples	6/30	Two Var/ Standard Dev	7/1	Correlation	7/2	Regression	7/3	Exam 3
7/6	Multiple Regressions	7/7	Final Exam						