

Course Syllabus
MATH 1342-001: Statistics
Summer I 2017

Instructor: Dr. Angela Brown

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Office Hours: MTWRF 11:30-12:30, other by appointment

Time and Place of Class Meetings: MTWRF 8:00-9:35 am 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:

Homework/Classwork/Quizzes: 25%

Exams : 30%

Project: 25%

Final Exam: 20%

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. 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 along with due dates 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.

Project: We will have a project that will run the semester long. You will have due dates assigned on Blackboard for certain part of project as the course progresses. More information on the project will be given by the second week of class.

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. 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: Sul Ross State University is committed to equal access in compliance with the Americans With Disabilities Act of 1973. As an instructor I am required to give students reasonable accommodations in each course. It is the student's responsibility to initiate a request for accessibility services. Contact Mary Schwartz, the ADA Coordinator in Counseling and Accessibility Services Ferguson Hall, Room 112. Her phone number is 432-837-8203 or you can email her at mschwartz@sulross.edu.

Important Dates:

May 31	1	First Day of Classes
June 2		Last Day for Late Registration and Schedule Changes
June 5		4th Class Day-Last Day to Drop a Course Without Creating an Academic Record
June 22		Last Day to Withdrawal from University or Drop Classes with a Grade of "W" (by 4 pm)
July 3		Final Exams

Tentative Schedule-Subject to Change

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Monday		Tuesday		Wednesday		Thursday		Friday	
				May 31	Intro, Chapter 1 and 2	June 1	Measures of Center	June 2	Measures of Variation
June 5	Measures of Relative Standing and Box Plots	June 6	Normal Distributions and Applications	June 7	Sampling Distributions and the Central Limit Theorem	June 8	Exam 1	June 9	Assessing Normality and Intro to Probability
June 12	Estimating Population Proportions	June 13	Estimating Population Means	June 14	Estimating Population Standard Deviations and Variance	June 15	Hypothesis Testing	June 16	Testing a Claim about a Proportion
June 19	Exam 2	June 20	Testing a Claim about a Mean	June 21	Testing Claims for Standard Deviation and Variance	June 22	Two Means: Independent Samples	June 23	Two Means: Dependent Samples
June 26	Two Variance or Standard Deviations	June 27	Correlation	June 28	Exam 3	June 29	Regression	June 30	Multiple Regressions
July 3	Final Exam								