



SUL ROSS STATE UNIVERSITY
Math Department
Statistics Course Syllabus
MATH 1342

COURSE TITLE: Math 1342 Discovering Statistics and Data
SECTION, CRN, CLASS DAYS & TIME: Math1342:C02, CRN21465, TR11:00am
CLASSROOM: ACR205
INSTRUCTOR: Coach Chambers
INSTRUCTOR'S Office: PPG 101
INSTRUCTOR'S PHONE #: 8277
INSTRUCTOR'S E-MAIL: schambers@sulross.edu
INSTRUCTOR'S OFFICE HOURS: 9-12 MW

CREDIT HOURS: 3
LECTURE HOURS: 3

SOFTWARE (TEXTBOOK): Hawkes (You must purchase Hawkes temporary access code by class time no later than the 2nd class day)
Hawkes Tech Support: on-line 24/7

NOTE:

If you have not purchased your copy of Hawkes by the end of the third week of class, you will be dropped from this class with an "F."

SUPPLIES: Three-ring Binder and dividers or spiral with dividers and notebook paper; pencils only in classroom.

STUDENT LEARNING OUTCOMES:

After completing this course, the student should be able to demonstrate competency in the following:

- (1) Statistical Thinking
- (2) Data Classification
- (3) Displaying Qualitative Data Graphically
- (4) Construct Frequency Distributions for Quantitative Data
- (5) Histograms and Other Graphical Displays of Quantitative Data
- (6) Data Sub-setting
- (7) Scatterplots and Correlation
- (8) Understand Types of Random Variables
- (9) The Distribution of the Sample Mean and the Central Limit Theorem

Course Description: This is an introductory statistics course designed to give the student the critical thinking skills necessary to interpret statistical information. This course will prepare the student for further statistical work in his/her field. Topics include: measures of central tendency, measures of variation, normal distributions, hypothesis testing, and graphical representations. Use of technology and real-world data is integrated throughout the course. Prerequisites: Completion of MATH 0200 or a satisfactory score on the Mathematics Placement Test.

COURSE REQUIREMENTS:

Purchase the Hawks material in the book store. See your instructor's syllabus addendum for specific requirements. A graphing calculator will be used in class you **must** have your own for homework. Each student must take the Mid-Term and Final or you will

receive an “F” in the course.

ACCELERATION:

You determine how quickly or slowly you complete the work associated with this course. The sooner you complete your Statics math course, the better off you will be, so please feel free to work hard and quickly.

ACADEMIC ETHICS:

Please remember that real success comes from learning how to do the work yourself. Your instructors believe that you are an honest individual and expect that all of the work that you do results from your own efforts. You know that a college education costs too much for you to waste your time trying to beat the system rather than figuring out how to learn the material. You know that any form of cheating is dishonest and it makes you look very bad. Your instructor will have specific responses to any academic dishonesty that s/he may encounter. A repeated instance of academic dishonesty may result in your situation being forwarded to the Dean of Student Life. Please see the *SRSU Student Handbook* for a more complete discussion of academic honesty.

ATTENDANCE POLICY:

Sul Ross State University and the State of Texas require each student liable for any portion of the Texas Success Initiative (TSI) to attend and participate in developmental coursework. If you fail to attend and/or participate, you will earn an “F” for the course. Also, it is a course requirement that you take the mid-term and final exams. Failure to do so will result in your earning an “F” for the course.

If you must be absent, you are responsible for finding out what was covered and assigned in class in order to be prepared when you return to class. According to the University catalog, “When a student has to miss class due to an authorized university activity, it will be the responsibility of the student to notify the instructor of the class in advance [and to complete all assignments] within a reasonable time and at the convenience of the instructor.”

See your instructor’s syllabus addendum for specific attendance criteria.

If you are absent from class, you will want to contact a classmate and get the notes that you missed.

Class Member: _____

Phone #: _____ E-Mail: _____

Class Member: _____

Phone #: _____ E-Mail: _____

Being more than five minutes late or leaving before class is over will be counted as an absence!

CELL PHONES:

Cell phones going off during class are disruptive. Be a considerate class member. Turn off your cell phone before class begins and keep it turned off throughout the class period and off the desk top. If you feel that you have an emergency situation that requires your phone being left on, speak with me before class. Should you fail to silence (including the “vibrate” function) your phone, you risk being ask to leave class and being counted absent.

COURSE COMMITMENT:

You will make the decision about how long it takes you to clear your developmental math requirement. Please keep these thoughts in mind:

1. It costs as much to take this class (at least \$830) as it does to take any other SRSU three-hour course. Yet you know that this course does not count towards your degree. You will save a lot of money and time if you decide to clear your developmental math requirement as quickly as possible.
2. You are the only one who can make the commitment to be successful in this class. You will decide how much time you end doing homework, asking your instructor questions, and visiting with a tutor. So come to class and complete this course with a grade of “D” or better this semester.

STUDENT ASSISTANCE:

Tutors are available in the Tutoring and Learning Center, 1st floor of the Library, free of charge. Please check with the Tutoring and Learning Center for hours and days of tutor availability.

ADA Statement: Sul Ross State University is committed to equal access in compliance with the Americans with Disabilities Act of 1973. It is the student’s responsibility to initiate a request for accessibility services. Students seeking accessibility services must contact Mary Schwartze, M. Ed., L.P.C., in Counseling and Accessibility Services, Ferguson

Hall, Room 112. The mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Telephone: 432-837-8691. E-mail: mschwartz@sulross.edu.

TEXAS SUCCESS INITIATIVE (TSI) ADVISING:

As a developmental education student, you have a TSI hold on your records. In order for you to register for the next semester, you must see a TSI advisor in Lobo Den. Lobo Den is located in Lawrence Hall, Room 102 and their phone number is 432-837-8982.

Course Supplement Syllabus
Math 1342:C02 TR11:00am

ALEKS Software - Objective to be covered

- Introduction to Statistical Thinking WEEK 1
- The Lords of Data WEEK 2
- Frequency Distributions WEEK 3

Review and Exam 1

- Measures of Relative Position, Box Plots, and Outliers Week 4
- Data Sub-setting
- Scatterplots and Correlations Week 5
- Fitting a Linear Model
- Evaluating the Fit of a Linear Model Week 6
- Fitting a Linear Time Tread

Mid-term Review and Exam 2 Week 7

- Types of Random Variables Week 8
- Discrete Random Variables
- The Discrete Uniform Distribution Week 9
- The Binomial Distribution
- The Poisson Distribution Week 10
- The Hypergeometric Distribution

Review and Exam 3 Week 12

- The Uniform Distribution Week 13
- The Normal Distribution
- The Standard Normal Distribution
- Approximation to the Binomial Distribution Week 14

Review and Final

April 28th - May 4th