



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:SSS, CRN11776, MWF 10:00am
CLASSROOM: ACR205
INSTRUCTOR: Mrs. Lamar
INSTRUCTOR'S Office: FRG 210
INSTRUCTOR'S PHONE #: 8725
INSTRUCTOR'S E-MAIL: elba.lamar@sulross.edu
INSTRUCTOR'S OFFICE HOURS: M/W: 12-12:45 T/Th 9:20-10:40 F: By appointment

CREDIT HOURS: 3
LECTURE HOURS: 3

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

NOTE:

If you have not purchased your copy of Hawkes by the end of the second 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

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 or online. See your instructor's syllabus addendum for specific requirements. A graphing calculator will be used in class you must have your own for homework.

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. 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: ADA (Americans with Disabilities Act) Sul Ross State University (SRSU) is committed to equal access in compliance with 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 each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, LPC-S, SRSU’s Accessibility Services Coordinator at 432-837-8203 (please leave a message and we’ll get back to you as soon as we can during working hours), or email

rebecca.wren@sulross.edu. Our office is located on the first floor of Ferguson Hall (Suite 112), and our mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas, 79832.

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.

COVID 19

Safety Pledge - One University/One Community

As a partner in each campus community, the faculty, staff, and students agree to the following statements in relation to the COVID-19 virus:

- I will wear a face covering, wash my hands, and disinfect my workspaces to protect others from the potential spread of this virus.
- I promise to follow social distancing guidelines as a way to mitigate the risk of transmission to others both professionally and personally.
- I will monitor my health and report any potential health issues.
- I agree to follow the guidelines set forth in this document or as described by Sul Ross State University to protect the public health.
- I understand that my actions may impact the larger community and could affect my academic progress or professional attainment at Sul Ross State University.

Failing to meet these expectations may be subject to corrective action under university disciplinary policies. Changes or recommendations to the guidelines based on evolving guidance from federal, state, or local agencies will be communicated to the university community.

If you test positive, have had contact with someone known to be positive, believe that you may have contracted the virus, or if you have been recently tested for COVID-19, YOU MUST SELF-QUARANTINE AND STAY HOME. The self-quarantine period is 14 days.

In addition, if you are not feeling well, play it safe and stay home. Everyone will have access to the link for class, so if you think you might be sick, please attend class online.

SRSU policy requires us to wear masks (or face shields) in class and public spaces.

Should at any point during the semester, the university move to online teaching only, then I will be in touch with you via your Sul Ross email address and we will continue our classes online.

Technical Support

The Support Desk is where you can direct your more technical questions. For example, the Support Desk can help you if you are having issues submitting a document, getting videos to play, or using BlackBoard. The support desk is open 24 hours a day/7 days a week for your convenience.

You can reach the support desk:

By calling 888.837.6055

Via email blackboardsupport@sulross.edu

Using resources from the Technology Support tab within blackboard

Clicking the Support Desk graphic on the course homepage

E-Mail, BlackBoard, and Office 365

You will want to check your Sul Ross e-mail regularly. It is an easy way for me to stay in contact with you and for you to stay in contact with me. I will use BlackBoard to send messages to your class, collect major assignments, provide you access to class assignments, and post your major paper grades. We will use BlackBoard in class. You need to be able to access both your SRSU e-mail, BlackBoard, and Office 365 accounts. If you need log-in help, please call 432-837-8888. Check your access early in the semester. I would recommend that you save your work on Office 365. This way you can access your work from any computer that has Internet access.

SRSU Library Services

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 your LoboID and password. Check out materials using your photo ID. Librarians are a tremendous resource for your coursework and can be reached in person, by email (srsulibrary@sulross.edu), or phone (432-837-8123).

COVID 19 Protocols: As part of SRSU's phased reopening, the Library and Archives of the Big Bend will welcome current students, staff, faculty, and community borrowers to make appointments to access the building, and will continue to promote curbside delivery of physical resources.

Use the [Library Services and Resources Continuity Guide](#) to learn more about the phased reopening, including how to make appointments and what the Library is doing to promote safety and #stopthespread.

SRSU Distance Education Statement

Students enrolled in distance education courses have equal access to the university's academic support services, such as Smarthinking, library resources, online databases, and instructional technology support. For more information about accessing these resources, visit the SRSU website. Students should correspond using Sul Ross email accounts and submit online assignments through Blackboard, which requires secure login information to verify students' identities and to protect students' information. 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.

Course Supplement Syllabus Math 1342:C01 TR8:00am

Hawkes 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 Trend

Mid-term Review and Exam 2

Oct.13th-15th

- Types of Random Variables
- Discrete Random Variables
- The Discrete Uniform Distribution
- The Binomial Distribution
- The Poisson Distribution
- The Hypergeometric Distribution

Week 8

Week 9

Week 10

Review and Exam 3

Week 12

- The Uniform Distribution
- The Normal Distribution
- The Standard Normal Distribution
- Approximation to the Binomial Distribution

Week 13

Week 14

Review and Final

Dec. 1 and 9