SUL ROSS STATE UNIVERSITY
Math Department
Statistics Course Syllabus
MATH 1342

COURSE TITLE: Math 1342 C03 Elementary Stat Methods
SECTION, CRN, CLASS DAYS & TIME: Math1342:C03, CRN 11475, TR 12:30pm
CLASSROOM: MAB 107
INSTRUCTOR: Mrs. Lamar
INSTRUCTOR'S Office: FRG 210
INSTRUCTOR'S PHONE #: 8725
INSTRUCTOR'S E-MAIL: elba.lamar@sulross.edu
INSTRUCTOR'S OFFICE HOURS: MWF: 10:55 -12:55, Or 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)

Hawkes Tech Support: By phone (843) 571-2825 and On-line 24/7 @ Hawkeslearning.com

NOTE:
  If you have not purchased your copy of Hawkes by the end of your Hawkes Temporary Access, you are responsible to complete any work you have behind by the due date and late penalties will apply.

SUPPLIES: Notebook paper and pencils only in classroom, graphing calculator for homework.

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) Discrete Probability Distributions
  (6) Normal Probability Distributions
  (7) The Central Limit Theorem
  (8) Confidence Intervals and
  (9) Hypothesis Testing

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 dispersion, measures of relative position, 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.

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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:

An absence is defined as non-attendance in fifty minutes of class; for example, nonattendance in a one and one-half hour class will constitute one and one-half absences and non-attendance in a three-hour class will constitute three absences.

The instructors may, at their discretion, drop a student from a course when the student has a total of nine absences. Any student dropped for excessive absences will receive either an "F" or a "W" depending upon the faculty member's discretion.

An absence due to participation in an official University activity is considered to be an authorized absence. When a student has to miss a 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 on time.

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

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: _____

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.

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.

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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.

EC-6 Teaching Competencies

• *Competency 013 (Mathematics Instruction) The teacher understands how students learn mathematical skills and uses that knowledge to plan, organize, and implement instruction and assess learning.*

• *Competency 014 (Number Concepts and Operation) The teacher understands concepts related to numbers, operations and algorithms and the properties of numbers.*

• *Competency 015 (Patterns and Algebra) The teacher understands concepts related to patterns, relations, functions and algebraic reasoning.*

• *Competency 016 (Geometry and Measurement) The teacher understands concepts and principles of geometry and measurement.*

• *Competency 017 (Probability and Statistics) The teacher understands concepts related to probability and statistics and their applications.*

• *Competency 018 (Mathematical Processes) The teacher understands mathematical processes and knows how to reason mathematically, solve mathematical problems and make mathematical connections within and outside of mathematics.*

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, Hawkeslearning, and Office 365

Hawkes Tech Support: By phone (843) 571-2825 and On-line 24/7 @ Hawkeslearning.com

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 Hawkes to send messages to your class, collect major assignments, provide you access to class assignments, and post your major paper grades. We will use Hawkes in class. You need to be able to access both, your Hawkes, and Blackboard 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.

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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).

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.

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Course Supplement Syllabus
Math 1342 C03 TR 12:30pm

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Hawkes Software - Objective to be covered

- **Introduction to Statistics**   Week 1
  -Basic Vocabulary
  -Data Classification

- **Graphical Descriptions of Data**   Week 2
  -Frequency Distributions
  -Graphical Displays of Data
  -Analyzing Graphs

- **Numerical Descriptions of Data**   Week 3
  -Measures of Center
  -Measures of Dispersion
  -Measures of Relative Position

Review and Exam 1   Week 4

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- **Discrete Probability Distributions**   Week 5,6
    -Discrete Random Variables
    -Binomial Distribution
    -Poisson Distribution
    -Hypergeometric Distribution

- **Normal Probability Distributions**   Week 6,7
    -Introduction to the Normal Distribution
    -The Standard Normal Distribution
    -Finding Probability Using a Normal Distribution
    -Finding Values of a Normally Distributed Random Variable
    -Approximating a Binomial Distribution Using a Normal Distribution

Review and Exam 2   Week 8

- **The Central Limit Theorem**   Week 9
    -Sampling distributions and The Central Limit Theorem
    -Central Limit Theorem with Means
    -Central Limit Theorem with Proportions

- **Confidence Intervals**   Week 10,11
    -Estimating Population Means ($\sigma\ known$)
    -Student's t-Distribution
    -Estimating Population Means ($\sigma\ unknown$)
    - Estimating Population Proportions
    - Estimating Population Variances

- **Hypothesis Testing**   Week 12
    -Fundamentals of Hypothesis Testing
    -Hypothesis Testing for Population Means ($\sigma\ known$)
    -Hypothesis Testing for Population Means ($\sigma\ unknown$)

Review and Exam 3   Week 13

Final Review and Thanksgiving Break.   Week 14

Finals   Dec 3, 6-8

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