

**South Plains College**  
**Department of Mathematics and Engineering**  
**Dual Credit Elementary Statistical Methods - MATH 1342**  
**Spring 2026 Course Syllabus**

**Location:** Liberty High School, Lubbock-Cooper ISD; LHS Room 320

**Instructor:** Rachel Madrid B.A., M.A.

**Email:** [rmadrid@lcisd.net](mailto:rmadrid@lcisd.net)

**Phone:** (806) 993-2322

**Google Classroom Code:** R2: p6muu3sb

**Tutoring** - Tutoring will be available the following days and times:

Monday	Tuesday	Wednesday	Thursday	Friday
No AM	8:00-8:35 am	No AM	8:00-8:35 am	8:00-8:35 am

or by appointment.

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**Required Materials**

- Binder or folder to keep up with notes and/or homework
- Spiral notebook or notebook paper for homework.
- Pencil

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**Prohibited Materials**

- Cell phones- During lecture and for assistance on work completed inside or outside of class.
- Online math answering programs- Such programs provide “solutions” to unworked problems (i.e., Chegg, MathWay, PhotoMath, Wolfram Alpha, etc). Usage of such software will result in a 0 for the assignment.
- Notes on exams- Use of any additional resources including notes accumulated from lectures is strictly prohibited unless specified otherwise.

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**Textbook**

NO TEXTBOOK IS REQUIRED FOR THIS COURSE! All necessary materials and resources will be available on Google Classroom. However, if you'd like to purchase a textbook to have as an additional resource, the adopted textbook for the course is specified later in this syllabus.

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**Grading**

Your grades will be weighted as follows:

- Exams (60%)
- Daily Work/Quizzes (40%)
  
- The Comprehensive Final Exam will count as 14.2% of your overall semester grade.

The grading scale will be: A = 90-100%, B = 80-89.99%, C = 70-79.99%, D = 60-69.99%, F < 60%

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## Extra Help

Extra help implies that you have taken care of your responsibilities for this class (i.e. doing the notes, homework, etc., **to the best of your ability**) and you still need extra support. If this is you, please do not hesitate to ask me for extra help! I am more than available for you! Please just talk to me to set up a time that works for both of us.

Other options that are available to you include:

- SPC Tutors ~ Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.  
<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>
- Tutor.com ~ You also have 180 FREE minutes of tutoring with tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tutor.com link on the left-hand tool bar, click on the tools option from the left-hand menu bar. Then, click on the Tutor.com link and you will automatically be logged in for free tutoring. You can access tutor.com tutors during the following times:
  - Monday – Thursday: 8pm-8am
  - 6pm Friday – 8am Monday morning

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## Expectations

- Be ready, be responsible, and be respectful.
- All assignments or assessments should be completed thoroughly, showing all work in an organized fashion. The work and thought process should be easy to follow by the instructor. Please clearly mark your answers (highlighter, box, circle, star, etc.)

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## Make-up Work

- *\*\*If you miss class for a school related activity/excused absence, you need to be ready to take any quizzes or tests upon returning to class\*\**
  - All notes and assignments will be posted on Google Classroom after class. This means you will be able to access anything you missed in class.

**South Plains College**  
**Common Course Syllabus: MATH 1342**  
**Revised March 2025**

**Department:** Mathematics, Engineering, and Computer Science

**Discipline:** Mathematics

**Course Number:** MATH 1342

**Course Title:** Statistical Methods

**Available Formats:** conventional, hybrid, and internet

**Campuses:** Levelland, Downtown Center, Plainview Center, and Dual Credit

**Course Description:** Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing.

**Prerequisite:** Minimum score of 350 on the TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, a successful completion with a grade of 'C' or better in MATH 0337, or successful completion of NCBM-0112.

**Credit:** 3 **Lecture:** 3 **Lab:** 0

**Textbook:** *Elementary Statistics: Picturing the World*, Larson and Farber, 2019, 7<sup>th</sup> Edition, Pearson.

**Supplies:** Please see the instructor's course information sheet for specific supplies.

**This course partially satisfies a Core Curriculum Requirement:** Mathematics Foundational Component Area (020)

**Core Curriculum Objectives addressed:**

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

**Student Learning Outcomes:** Upon completion of this course and receiving a passing grade, the student will be able to:

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems.
8. Perform hypothesis testing using statistical methods.

**Student Learning Outcomes Assessment:** A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

**Course Evaluation:** There will be departmental final exam questions given by all instructors.

**Attendance/Student Engagement Policy:** Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student cannot receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;

8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

**Student Code of Conduct Policy:** Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit <https://www.southplainscollege.edu/syllabusstatements/>.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: <https://www.southplainscollege.edu/emergency/covid19-faq.php>.

**SPC Bookstore Price Match Guarantee Policy:** If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt, and the book must be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by Amazon*, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.