



Statistical Methods & Support Course
Math 1342/0342 – C001 (Hybrid)
Fall 2025

Instructor: Jennifer Brazil

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Class Times: ONLINE and MW from 11:00 AM – 12:15PM

Office Hours: As listed below or by appointment. I will be in my office on the Levelland campus during face to face (F2F) times listed below if you wish to meet in person. I will be online (via teams) during office hours or by appointment. Feel free to stop by anytime. If I'm in my office, you're welcome to come in.

If you need to schedule a time to meet outside of the office hours below, please email me to set up a time.

Day	Times	Location
Monday & Wednesday	8:15 AM – 9:00 AM 2:15 PM – 3:00 PM	M109 (Lev) or Teams
Friday	9:00 AM – 11:00 AM	M109 (Lev) or Teams

Email Correspondence: All email correspondence should come from your SPC email address. Please give me up to 24 hours to respond via email. If you email about a specific math question, please attach a picture of the question and the work that you have tried.

Disclaimer: The instructor reserves the right to alter any class policies/dates as deemed necessary by the instructor. If there are any changes, they will be announced **over Blackboard and via your SPC email**.

Showing Work: To receive full credit for an assignment, you must show all the work that leads to your answers. The work must be legible, make sense, and be easy to follow. All work and answers should be handwritten. No calculators or cell phones are to be used to get answers on coursework. Correct answers without mathematically accurate work may not receive full credit.

Course Supplies:

- **Required:** Notebook paper on which to complete the required work for your assignments
- **Required:** Printed Notes. A blank copy of the notes will be posted on Blackboard. You should print them off and fill them out as we go through the online learning videos. Please note that the SPC campus computer labs are available if you want to print your notes off there. You could also print them off at most public libraries, but please note that it usually requires you to pay a small fee per page. I recommend keeping all of your notes in order in a notebook so they are easily accessible.
- **Required:** A computer or laptop, reliable internet service, a way to print documents, and a way to scan and upload documents. Computer access available on SPC campus.
- **Required:** Any graphing calculator (Recommended TI 84)
- **Recommended:** (2 – 3 inches) 3-ring binder with dividers to organize all notes and homework.

Attendance: Course attendance will be taken. Per South Plains College math department policy, you will be administratively dropped from the course if your number of missed submissions goes over 20% of all submissions.

***** For online and hybrid courses, more than 50% of the assignments must be completed with a passing grade to be considered “present” for that week.**

Computer Issues: If your personal computer/internet become “disabled,” please remember that it is your responsibility to have a backup plan. Your assignments for this class will have a window of time in which the assignment must be completed. If you wait until the last day to try and complete your assignment and you encounter computer/internet issues, the deadline for completion will NOT be extended. You must plan ahead in order to complete your work under all possible conditions. Early submissions are welcome and encouraged.

Weekly Quizzes:

- There will be a weekly quiz most weeks.
- Weekly quizzes will be administered in class.
- You must show all work to receive credit for each individual problem. Correct answers without mathematically accurate work may not receive full credit.

Homework/Lessons:

- Students are responsible for reviewing the online learning videos and completing the corresponding lesson notes. Lesson notes are graded based on completion.
- Each lesson will have a corresponding set of homework problems. Make sure to practice showing your work and justifying your answers in preparation for quizzes and exams. Homework is graded on accuracy. If a student feels that their homework answer was graded incorrectly, reach out to the teacher.
- Homework problems have unlimited attempts. Complete the problems as many times as need to feel confident in the material.

Professionalism:

- Class Participation consists of student's attendance and participation in class discussions.
- Students are expected to follow along in class lectures and complete notes as we learn.
- Absence, tardiness, and completion of assignments will count against the daily professionalism grade.

Exams:

- There will be four regular exams this semester. Each exam will cover one unit.
- Work Requirement: Correct answers without mathematically accurate work will not receive full credit.
- Calculators and formula sheets are allowed for exams.

Final Exam:

- The final is comprehensive.
- Work Requirement: Correct answers without mathematically accurate work will not receive full credit.
- Calculators and formula sheets are allowed for exams.
- The final exam can replace ONE regular exam from the semester, if the final exam is a higher grade.

Make-ups:

- Each student will be given THREE late passes to be used on homework. Additional late passes will be given at the discretion of the instructor and are NOT guaranteed.
- If a student misses an exam, the student must notify the instructor IMMEDIATELY to find out if other arrangements can be made. Once exam grades have been released, any make-up exam is no longer possible.
- Make-up work is given at the discretion of the instructor.
- NO make-up quizzes are given without prior notification AND proper documentation.
- If you are absent from class on a quiz day, have given prior notification and proper documentation of your absence, you MUST plan to take the quiz BEFORE the next class period or the end of the week, whichever occurs first. If the quiz is not made up by these specifications, the student receives a 0.

Missed Exams:

- In SOME instances, an exam may be made up with PRIOR approval by the instructor. In the case an exam make-up is allowed, the exam must be made up prior to the next class.
- One missed exam, for any reason, will have the comprehensive final exam replace the zero earned. The second missed exam will be a zero.
- If the Final Exam is not attempted, a grade of F will be reported for the student's grade regardless of the grade before the Final Exam was administered.

Grading Formula:

Completing all submissions and having a strong work ethic are important but do not guarantee a passing grade. However, these two things do increase the likelihood of passing. The final responsibility for learning lies with the student. The final letter grade for this course will be based on the assignments and percentages listed.

Professionalism	5%
Lesson Completion	5%
Homework	15%
Weekly Quizzes	10%
Tests (4)	40%
Final Exam	25%

Final Grade Determination: A 90-100 B 80-89 C 70-79 D 60-69 F 59 or below

Reviewing Grades on Blackboard: After I grade your assignments, you should be able to log into Blackboard to see your grade.

Corequisite Grade Information: In order to be in this class, you must register for two separate math classes (MATH 0342 and MATH 1342). Your grade in the college level part of the course (MATH 1342) will be determined using the formula above. Your grade in the support course (MATH 0342) will be a pass/fail (P/F). If you make a grade of A, B, or C in the MATH 1342 portion of the course, you will receive a P for MATH 0342. If you make a grade of D in the MATH 1342 portion of the course, you will receive a grade of P or F for MATH 0342 based on the instructor discretion and consideration of your Math 1342 test grades. If you make an F in the Math 1342 portion of the course, you will receive an F for Math 0342. Your current course grade can be found on Blackboard throughout the semester so you should know where you stand.

Academic Dishonesty:

Academic dishonesty will not be tolerated. Please see the list of things that constitute plagiarism and cheating in the general Math 1342 syllabus. If you violate anything on those lists, you will receive a zero on the assignment and could be subject to other actions outlined in the South Plains College Student Code of Conduct. Please note that these actions could include failing the course and being expelled from the college.

Resources:

- Blackboard! The course syllabus, calendar, gradebook, notes handouts/videos, and assignments will be available on Blackboard.
- I am available to help you! Feel free to email me at jbrazil@southplainscollege.edu . When you email me, please give me up to 24 hours to respond. If you email about a specific math question, please attach a picture of the question and the work that you have tried.
- Peer tutoring is available via SPC and is required for this course Visit the link below to learn more about SPC tutoring: <http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

Withdrawal Policy: As required by Texas Education Code Section 51.907, all new students who enroll in a Texas public institution of higher education for the first time beginning with the 2007 fall semester and thereafter, are limited to six course drops throughout their entire undergraduate career. All course drops, including those initiated by students or faculty and any course a transfer student has dropped at another institution, automatically count toward the limit. After six grades of W are received, students must receive grades of A, B, C, D, or F in all courses. There are other exemptions from the six-drop limit and students should consult with a Counselor/Educational Planner before they drop courses to determine these exemptions. Students receiving financial aid must get in touch with the Financial Aid Office before withdrawing from a course. It is the student's responsibility to drop. Excessive absences will result in an administrative withdrawal with a Grade of X or F. If you plan to withdraw, please consult with the instructor immediately.

Succeeding in a Math Class:

- Be mentally present! Pay attention and reach out with questions.
- Plan ahead. Do notes and practice problems early enough before the due date that you will have time to ask questions or seek help if you need it.
- Get help as soon as you feel yourself falling behind! Don't wait!
- All notes printouts and practice problems for the course are posted on Blackboard. If you want to get ahead, that is encouraged. Time management is crucial.
- I have found that the best way for a student to study for a math exam is to practice working problems over and over.
- Everyone learns and studies differently. I encourage you to seek out and find what works best for you.

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: Maximum score of 349 on the TSIA1 without an ABE score, minimum diagnostic score of 3 on the TSIA2, or a successful completion of NCBM 0105.

Textbook: No textbook required, course materials will be provided on Blackboard

This course partially satisfies a Core Curriculum Requirement: None

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 Assessment: Comprehensive Final Exam

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.

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, nondiscrimination, 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 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, and view tutoring locations. <http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

Brainfuse

You also have 180 FREE minutes of tutoring with Brainfuse each week, and your hours reset every Monday morning. Log into Blackboard, and click on the tools option from the left-hand menu bar. Click on the Brainfuse link and you will automatically be logged in for free tutoring. You may access Brainfuse tutors during the following times:

Monday – Thursday: 8 pm-8 am

6pm Friday – 8am Monday morning

For questions regarding tutoring, please email tutoring@southplainscollege.edu or call 806-716-224

Statistical Methods Outline

	ONLINE Before attending class	CLASS Monday	ONLINE Before attending class	CLASS Wednesday	DUE DATES Friday
1	Welcome	Aug. 25 th Class Expectations	Lesson 1.1	27 th Practice 1.1	29 th HW 1.1
2	Sept 1st HOLIDAY		Lesson 1.2	3 rd Syllabus Quiz Practice 1.2	5 th HW 1.2
3	Lesson 1.3	8 th Quiz 1 (1.1, 1.2) Practice 1.3	Lesson 1.4	10 th Practice 1.4	12 th HW 1.3, HW 1.4,
4	Lesson 1.5	15 th Practice 1.5 Work on Review 1	Review	17 th Exam 1	19 th HW 1.5
5	Lesson 2.1	22 nd Practice 2.1	Lesson 2.2	24 th Practice 2.2	26 th HW 2.1, 2.2
6	Lesson 2.3	29 th Quiz 2 (2.1, 2.2) Practice 2.3	Lesson 2.4	Oct. 1 st Practice 2.4	3 rd HW 2.3, HW 2.4
7	Lesson 2.5	6 th Quiz 3 (2.3, 2.4) Practice 2.5	Lesson 2.6	8 th Practice 2.6 Work on Review 2	10 th HW 2.5, HW 2.6
8	Review	13 th Exam 2	Lesson 3.1	15 th Practice 3.1	17 th HW 3.1
9	Lesson 3.2	20 th Quiz 4 (3.1) Practice 3.2	Lesson 3.3	22 nd Practice 3.3	24 th HW 3.2, HW 3.3
10	Lesson 3.4	27 th Practice 3.4 Work on Review 3	Review	29 th Exam 3	31 st HW 3.4
11	Lesson 4.1	3 rd Practice 4.1	Lesson 4.2	5 th Practice 4.2	7 th HW 4.1, HW 4.2
12	Lesson 4.3 Lesson 4.4	10 th Quiz 5 (4.1,4.2) Practice 4.3 Practice 4.4	Lesson 4.5	12 th Practice 4.5	14 th HW 4.3, HW 4.4, HW 4.5
13	Review	17 th Quiz 6 (4.3 – 4.5) Work on Review 4	Review	19 th Exam 4	21 st
14	Lesson 5.1	24 th Practice 5.1	26 th Thanksgiving Holidays		28 th HW 5.1
15	Lesson 5.2	Dec. 1 st Practice 5.2 Review for Final	Review	3 rd Quiz 7 (5.1,5.2) Review for Final	5 th HW 5.2
16	Dec 8 th Comprehensive Final Exam 10:15AM – 12:15PM		10 th Have a Merry Christmas! No class.		

***Note:** This schedule is tentative and may be altered as deemed necessary by the instructor. If there are any changes, they will be announced in class and/or via a Blackboard announcement.*