

**Math 1342.601 Statistics**  
**M,T,W,TR 6:00 pm – 7:55 pm**  
**Summer II 2024 – SPC Downtown Center B011**

**Instructor:** Ms. Rachel Fleenor  
**Email:** [rfleenor@southplainscollege.edu](mailto:rfleenor@southplainscollege.edu)  
**Office:** Downtown Center B001  
**Office Phone:** 806-716-4321

**Office Hours:**  
 MTWR – 3:30 pm – 4:00 pm  
 (or by appointment)

**Course Structure**

- Flipped
  - Content will be covered in lecture videos (expected to be watched BEFORE class)
  - Students will be required to upload notes over assigned lecture videos BEFORE class
  - Homeworks will be assigned each class day
  - We will have a Quiz each class day
  - Exams will be taken in class
  - All students are expected to be physically in class

**Textbook**

- *Elementary Statistics (10<sup>th</sup> edition) Allan G. Bluman (can be found in blackboard course)*

**Course Requirements/Materials**

- Attend all classes with lecture videos watched in advance
- Solid work ethic and character – must be a self-sufficient worker
- Pencil and Colored Pencils/Pens
- Binder/Notebook (both for best organization)
- Smart phone and/or scanner to turn a written document into a PDF file – REQUIRED for homeworks, notes, and quizzes.

**Grading Policy (1314):**

Participation (50 points – 2 each)  
 Homework (50 points – 2 each)  
 Quizzes (150 points – 10 each)  
 Mid-Semester Exam (100 points)  
 Final Exam (150 points)  
 Total points: 500

**Grading Scale (1314):**

450-500 points A  
 400-449 points B  
 350-399 points C  
 300-349 points D  
 < 299 points F

\*\*\*Note: Students must justify answers or show work on all problems to receive full credit.

**Class Notes**

- Completed Versions can be found on Blackboard

**Lecture Videos**

- Found on Blackboard under corresponding weeks and days
- Watch and take notes, pausing often to allow for cognitive processing time.
- Organize any questions to bring to class the next day.

**Homework**

- Written assignments
- All work should be submitted on blackboard by midnight on the day it is due
- All work should be shown on your own paper
- Problems must be in proper order on paper
- Must use pencil (electronically written (NOT TYPED) work is also acceptable)
- Must be done by hand (no typing).
- Show all work
- Must be your own work
- Using PhotoMath (or similar) is strictly prohibited and will result in academic dishonestly reports

being submitted to your permanent record.

- Using ChatGPT or any type of artificial intelligence assistance on any assignment in this class is strictly prohibited.

### Exams

- 1 midterm exam and 1 required final exam
- No materials will be allowed on ANY exam
- Complete in the allotted class time
- It is in your best interest to save ALL graded documents until your final grade is assigned at the end of the term.
- **Reviews are not required to be turned in, however, you will get an extra 5 points on the exam if you complete it and turn it in BEFORE the exam starts (see calendar for details).**
- The final exam is comprehensive
- Any student who does not take the final exam will fail the classes with F's regardless of the student's average
- The final exam will be held on **Thursday, August 8th from 6 pm to 7:55 pm**
- No exams can be taken after the date in which the exam is given.

### Late work

- No Late Homework will be accepted. After the due date has passed, you will no longer be able to submit a file on blackboard
- Exams cannot be taken early or late. You must take exams in the classroom at the assigned testing time. (Unless appropriate documentation is provided to allow you to take exams elsewhere)

### Attendance Policy

- Students are expected to attend **at least** eighty percent (80%) of the total class meetings (24 classes) **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.
- Unless given specific permission, students are expected to be in the class room and on time for class each class day.

### Academic Integrity

- Any student involved in cheating will receive a zero on the assignment(s) and will be informed of why he/she received a zero.
- Student may be administratively dropped from the class and will receive an X or F.

### Calculators

- REQUIRED
- TI-84 plus or similar suggested, I may not be able to help with other calculators
- You may be able to find calculators cheaper by looking at Facebook Marketplace or similar.

### Class Rules:

- Be on time and ready to learn.
- All assignment/quiz submissions should be organized and readable.(no scribbles over pages)
- Students are not permitted to use electronic devices in class.
- During exams, all electronics should be TURNED OFF and placed in your bag
- All bags are to be left at the front of the classroom during test time
- Any student who leaves the classroom for any reason (bathroom, phone call, etc.) during an exam will not be allowed to continue the exam upon their return. Once you leave the classroom during an exam, your exam will be picked up and graded as is.
- Adhere to the requirements of the Student Code of Conduct.

**Email Policy:** All students at South Plains College are assigned a standardized SPC e-mail account. Although personal email addresses will continue to be collected, the assigned SPC e-mail account will be used as the official channel of communication for South Plains College. The Student Correspondence Policy can be found at [www.southplainscollege.edu](http://www.southplainscollege.edu). To access the SPC student e-mail account, log in to [portal.office.com](http://portal.office.com). (Copied from SPC Student Guide) Since all students have an assigned SPC email, the instructor will only acknowledge, respond, and send emails to your assigned SPC email. This ensures all correspondence from the instructor is received by the intended recipient

**Blackboard:** Blackboard is the online course management system that will be utilized for this course. This course is supplemented online, so all access to course information and your instructor is through the Internet. This course syllabus, as well as all course materials can be accessed through Blackboard. Login at <https://southplainscollege.blackboard.com/>. The user name and password should be the same as the MySPC and SPC email.

User name: first initial, last name, and last 4 digits of the Student ID

Password: Original CampusConnect Pin No. (found on SPC acceptance letter)

Questions regarding Blackboard support may be emailed to [blackboard@southplainscollege.edu](mailto:blackboard@southplainscollege.edu) or by telephone to 806-716-2180.

### 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>

### 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 tools option from the left-hand menu bar. Click on the Tutor.com link and you will automatically be logged in for free tutoring. You may access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

For questions regarding tutoring, please email [tutoring@southplainscollege.edu](mailto:tutoring@southplainscollege.edu) or call 806-716-2538.

**COVID Response:** South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: [COVID Response \(southplainscollege.edu\)](https://www.southplainscollege.edu/covid-response)

**You can find all topics covered and the order they will be covered in below in the course calendar. I would HIGHLY recommend printing out this Syllabus so that you can refer back to it to see due dates and expectations.**

**South Plains College**  
**Common Course Syllabus: MATH 1342**  
**Revised July 2023**

**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:** *See beginning of Syllabus*

**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 can not 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 has to 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.

### Tentative Calendar for Math 1342 Summer II 2024

Week	Day	Date	Topic	Assigned	Due
1	Monday	July 8 <sup>th</sup>	Introduction to Statistics Frequency Distributions and their graphs	HW 1 HW 2	Quiz 1
	Tuesday	July 9 <sup>th</sup>	Graphs and Displays Measures of Central Tendency	HW 3 HW 4	Quiz 2 HW 1 HW 2
	Wednesday	July 10 <sup>th</sup>	Measures of Variation Measures of Positions	HW 5 HW 6	Quiz 3 HW 3 HW 4
	Thursday	July 11 <sup>th</sup>	Introduction to Probability	HW 7	Quiz 4 HW 5 HW 6

2	Monday	July 15 <sup>th</sup>	Conditional Probability Probability Distributions	HW 8 HW 9	Quiz 5 HW 7
	Tuesday	July 16 <sup>th</sup>	Binomial Distributions	HW 10	Quiz 6 HW 8 HW 9
	Wednesday	July 17 <sup>th</sup>	Normal Distributions Standard Normal Distributions	HW 11 HW 12	Quiz 7 HW 10
	Thursday	July 18 <sup>th</sup>	Normal Distributions Probability Finding Values using Normal Distributions	HW 13 HW 14	Quiz 8 HW 11 HW 12
	Friday	July 19 <sup>th</sup>	<b>Mid-semester Exam Review (HW 1-14)</b> <b>HW 13 &amp; 14 due by midnight</b>		

3	Monday	July 22 <sup>nd</sup>	<b>Mid-Semester Exam (Exam Review due @3:30 pm)</b>		
	Tuesday	July 23 <sup>rd</sup>	Sampling Distributions and the Central Limit Theorem	HW 15	Quiz 9
	Wednesday	July 24 <sup>th</sup>	Confidence Intervals for the Mean (SD known)	HW 16	Quiz 10 HW 15
	Thursday	July 25 <sup>th</sup>	Confidence Intervals for the Mean (SD unknown)	HW 17	Quiz 11 HW 16

4	Monday	July 29 <sup>th</sup>	Confidence Intervals for Proportions	HW 18	Quiz 12 HW 17
	Tuesday	July 30 <sup>th</sup>	Introduction to Hypothesis Testing	HW 19	Quiz 13 HW 18
	Wednesday	July 31 <sup>st</sup>	Hypothesis Testing for the Mean (SD known)	HW 20	Quiz 14 HW 19
	Thursday	Aug. 1 <sup>st</sup>	Hypothesis Testing for the Mean (SD unknown) Hypothesis Testing for Proportions	HW 21 HW 22	Quiz 15 HW 20

5	Monday	Aug. 5 <sup>th</sup>	Hypothesis Testing with Two Samples	HW 23	Quiz 16 HW 21 HW 22
	Tuesday	Aug. 6 <sup>th</sup>	Correlation Linear Regression	HW 24 HW 25	Quiz 17 HW 23
	Wednesday	Aug. 7 <sup>th</sup>	<b>Final Exam Review (Comprehensive)</b>		Quiz 18 HW 24 HW 25
<b>Final Exam</b>		<b>Thursday, August 8<sup>th</sup> : 6:00 pm – 7:55 pm</b>			

**July 31<sup>st</sup> – last day to drop**