

South Plains College
Department of Mathematics and Engineering
Dual Credit Statistical Methods ~ Math 1342
Fall 2022 Course Syllabus

Instructor: Cassidee Wiemers, B.A, M.A.
Office: Room 119
E-Mail: cwiemers@ropesisd.us
Office Hours:

	Monday	Tuesday	Wednesday	Thursday	Friday
Tutorials					12:03-12:48
7th (Conference Period)	2:11-2:56	2:11-2:56	2:11-2:56	2:11-2:56	2:11-2:56

Course Supplies: Required:

- Scientific Calculator (Recommended: TI-30XIIS) **GRAPHING CALCULATORS ARE PROHIBITED**
- Method to post homework assignments to Google Classroom. (Recommended: Phone or tablet with camera capability)
- Multi-subject Notebook (At least 5 subject) for notes and homework
- Pencil

The following materials and items are disallowed in this course:

- Cell phones- During lecture and for assistance on work completed inside class or outside
- 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

Textbook: *Elementary Statistics: A Step By Step Approach*, Bluman, 2017, 10th Edition, McGraw-Hill.

Google Classroom: All information and resources needed for this course are available on Google Classroom. The syllabus, instructor contact information, and all course resources including notes, assignment documents, and lecture notes are stored there. Assignments due dates and exam dates are posted on the course syllabus. I'll be posting your grades in the gradebook on Ascender so that is where you can see what your grade is in the course at any time. You should get into the habit of checking Google Classroom daily for pertinent information.

Important Dates: **Class begin on Aug 17th**
 Other important dates are listed below.

- **November 19-23** Thanksgiving Break
- **November 15** Last day to drop Fall semester courses
- **December 12-13** Final Exam (2 parts)

A tentative course outline is attached at the end of this syllabus. Note, it is up to the instructor's discretion to make adjustments as needed. Any changes will be posted to Google Classroom and announced in class.

Homework

Homework will be assigned regularly, and each assignment must be submitted the day it is due by 11:59 via Google Classroom. **LATE WORK WILL NOT BE ACCEPTED. NO EXCEPTIONS.**

Exams:

There will be four unit exams given during the semester and a comprehensive, departmental final exam given at the end of the semester. There are no exemptions for the final exam. If you are going to miss a unit exam, contact your instructor immediately, preferably prior to the exam. Makeup exams are given only under extremely rare and documented circumstances. Once you begin an exam, you cannot leave the room until the exam is submitted for grading.

Grading Scheme:

Your grade in the course will be comprised of scores from the following categories. **This course and its grade will be recorded on your official transcript.** Grades will be posted on Ascender throughout the semester.

- Exams (Each exam will count 10% for a total of 40%). The following exam dates are tentative. Any changes to these dates will be announced in class.
 - Exam 1 ~ Friday, September 16
 - Exam 2 ~ Monday, October 17
 - Exam 3 ~ Tuesday, November 8
 - Exam 4 ~ Wednesday, December 7
- Homework (15%)
- Quizzes (25%)
- Comprehensive Final Exam (20%) ~ Monday 12/12 and Tuesday 12/13

Your high school average will be calculated using the grading scheme outlined above. For your South Plains College transcript, the following scale will be used.

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

Where to Get Help: Math can be challenging occasionally. Here are some ways in which you can receive quality assistance.

- As your instructor, I am the best resource for providing assistance. I am available during the listed office hours.
- **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

Responsibilities & Expectations:

1. Attend class regularly, be on time, and be prepared to learn.
2. Be attentive, take notes, and fully participate in class.
3. **DO ALL HOMEWORK.** Fully invest yourself in the homework process so that you

can maximize your potential to be successful in the course. Do your own work, show all work, and complete the homework early enough that you can seek help if needed. Always turn in your homework on time.

4. Cell phones and any other electronic devices must be silenced and put away while you're in the classroom.
5. Be respectful to others in the classroom and assist in maintaining an optimum learning environment for all.

4.0 INSTRUCTIONAL POLICIES AND RESPONSIBILITIES

4.1 Course Syllabi

The syllabus for each course should be reviewed annually and revised as appropriate by the faculty. Instructors are encouraged to think and plan course and units of instruction, i.e., content, methods of presentation, teaching aids, student roles and tests in terms of student behavioral objectives. Student participation in planning, where practical, and their orientation about course plans tend to enhance course relevancy. Copies of syllabi should be filed with the department chairperson and the appropriate dean.

4.1.1 Syllabus Statements

Each syllabus should include the following Diversity Statement, Disabilities Statement, Non-Discrimination Statement and Title IX Pregnancy Accommodations Statement appropriate to the location of the course.

4.1.1.1. Diversity Statement

In this class, the teacher will establish and support an environment that values and nurtures individual and group difference and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

4.1.1.2. Disabilities Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Lubbock Centers (located at the Lubbock Downtown Center) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

4.1.1.3 Non-Discrimination Statement

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

4.1.1.4 Title IX Pregnancy Accommodations Statement

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Health and Wellness Center. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Health and Wellness Center at 806-716-2529 or email dburleson@southplainscollege.edu for assistance.

4.1.1.5 OPTIONAL STATEMENT - Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun.

Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

MATH-1342 Statistical Methods Schedule of Topics ~ Fall 2022

Week	Date	Lecture Topic	HW Due Dates 11:59 p.m. C.T. via Google Classroom
1	Mon 8/22	Chapter 1.1 ~Descriptive and Inferential Statistics	Syllabus Received, HW 1.1 due Wed, 8/24
	Tues 8/23	Chapter 1.2 ~ Variables and Types of Data	<i>HW 1.2 due Thurs, 8/25</i>
	Wed 8/24	Chapter 1.4 ~ Experimental Design	
	Thurs 8/25	" "	<i>HW 1.4 due Fri, 8/26</i>
2	Mon 8/29	Quiz #1 (1.1, 1.2, 1.4) Chapter 2.1 ~ Organizing Data	
	Tues 8/30	" "	<i>HW 2.1 due Thurs 9/1</i>
	Wed 8/31	Chapter 2.2 ~ Histograms, Frequency Polygons, and Ogives	
	Thurs 9/1	" "	<i>HW 2.2 due Fri 9/2</i>
3	Tues 9/6	Quiz # 2 (2.1, 2.2) Chapter 3.1 ~ Measures of Central Tendency	
	Wed 9/7	" "	<i>HW 3.1 due Thurs, 9/8</i>
	Thurs 9/8	Chapter 3.2 ~ Measures of Variation	
	Fri 9/9	" "	<i>HW 3.2 due Tues, 9/13</i>
4	Mon 9/12	Chapter 3.4 ~ Exploratory Data Analysis	
	Tues 9/13	" "	<i>HW 3.4 Wed, 9/14</i>
	Wed 9/14	Exam 1 Review	
	Thurs 9/15	" "	<i>Exam 1 Review due Fri, 9/16</i>
	Fri 9/16	Exam 1	
5	Mon 9/19	Chapter 10.1 ~ Scatterplots and Regression	
	Tues 9/20	" "	<i>HW 10.1 due Wed, 9/21</i>
	Wed 9/21	Chapter 10.2 ~ Regression	
	Thurs 9/22	" "	<i>HW 10.2 due Fri, 9/23</i>
6	Tues 9/27	Quiz #3 (10.1, 10.2) Chapter 4.1 ~ Sample Spaces and Probability	
	Wed 9/28	" "	<i>HW 4.1 due Fri, 9/30</i>
	Thurs 9/29	Chapter 4.2 ~ The Addition Rules for Probability	<i>HW 4.2 due Mon, 10/3</i>

7	Mon 10/3	Chapter 4.3 ~ Multiplication Rule and Conditional Probability	
	Tues 10/4	“ ”	<i>HW 4.3 due Wed, 10/5</i>
	Wed 10/5	Quiz # 4 (4.1, 4.2, 4.3) Chapter 5.1 ~ Probability Distributions	
	Thurs 10/5	“ ”	<i>HW 5.1 due Fri, 10/7</i>
8	Mon 10/10	Chapter 5.2 ~ Mean, Variance, Standard Deviation, and Expectation	<i>HW 5.2 due Wed, 10/12</i>
	Tues 10/11	Chapter 5.3 ~ The Binomial Distribution	<i>HW 5.3 due Thurs 10/13</i>
	Wed 10/12	Exam 2 Review	
	Thurs 10/13	“ ”	<i>Unit 2 Review due Mon, 10/24</i>
9	Mon 10/17	Exam 2	
	Tues 10/18	Chapter 6.1 ~ Normal Distributions	
	Wed 10/19	“ ”	<i>HW 6.1 due Thurs, 10/20</i>
	Thurs 10/20	Chapter 6.2 ~ Applications of the Normal Distributions	<i>HW 6.2 due Mon, 10/24</i>
10	Mon 10/24	Chapter 6.3 ~ The Central Limit Theorem	
	Tues 10/25	“ ”	<i>HW 6.3 due Thurs, 10/27</i>
	Wed 10/26	Quiz # 5 (6.1, 6.2, 6.3) Chapter 7.1 ~ Confidence Intervals for the Mean of σ is known	
	Thurs 10/27	“ ”	<i>HW 7.1 due Mon, 10/31</i>
11	Mon 10/31	Chapter 7.2 ~ Confidence Intervals for the Mean when σ is unknown	
	Tues 11/1	“ ”	<i>HW 7.2 due Thurs, 11/3</i>
	Wed 11/2	Chapter 7.3 ~ Confidence Intervals and Sample Size for Proportions	<i>HW 7.3 due Fri, 11/4</i>
	Thurs 11/3	Exam 3 Review	
	Fri 11/4	“ ”	<i>Unit 3 Review due Tues, 11/8</i>
12	Tues 11/8	Exam 3	
	Wed 11/9	Chapter 8.1 ~ Steps in Hypothesis Testing – Traditional Method	
	Thurs 11/10	“ ”	<i>HW 8.1 due Fri, 11/11</i>
13	Mon 11/14	Chapter 8.2 ~ Z-test for a Mean	
	Tues 11/15	“ ”	<i>HW 8.2 due Wed, 11/16</i>
	Wed 11/16	Chapter 8.3 ~ T-test for a Mean	
	Thurs 11/17	“ ”	<i>HW 8.3 due Fri, 11/18</i>
	11/21-11/25	Thanksgiving Break	
14	Mon 11/28	Chapter 8.4 ~ Z-test for a proportion	
	Tues 11/29	“ ”	<i>HW 8.4 due Thurs, 12/1</i>
	Wed 11/30	Quiz #6 (8.1-8.4) Chapter 9.1 ~ Testing the Difference Between Two Means Using Z-test	
	Thurs 12/1	“ ”	<i>HW 9.1 due Mon, 12/5</i>
	Fri 12/2	Chapter 9.2 ~ Testing the Difference Between Two Means of Independent Samples: Using the T-test	<i>HW 9.2 (optional)</i>

15	Mon 12/5	Exam 4 Review	
	Tues 12/6	" "	<i>Exam 4 Review due Wed, 12/7</i>
	Wed 12/7	Exam 4	
	Thurs 12/8	Final Exam Review	
	Fri 12/9	" "	
16	Mon 12/12	Final Exam Part 1	
	Tues 12/13	Final Exam Part 2	