

Monday	Tuesday	Wednesday	Thursday	Friday
January 13	January 14 Forms	January 15	January 16 Ch1, Lab 1	January 17
January 20 <b>MLK Holiday</b>	January 21 Ch1 Lab 1	January 22	January 23 Ch2 Excel 1	January 24
January 27	January 28 Ch2 Excel 2	January 29	January 30 Ch3 Excel 1	January 31
February 3	February 4 Ch3 Excel 2	February 5	February 6 Workshop	February 7
February 10	February 11 Ch 10	February 12	February 13 Ch10, Lab 3 Excel 3	February 14
February 17	February 18 Exam 1	February 19	February 20 Ch 4	February 21
February 24	February 25 Ch 4	February 26	February 27 Lab 4	February 28
March 2	March 3 Ch 5	March 4	March 5 Ch 5	March 6
March 9	March 10 Review	March 11	March 12 Exam 2	March 13
March 16 <b>Spring Break</b>	March 17 <b>Spring Break</b>	March 18 <b>Spring Break</b>	March 19 <b>Spring Break</b>	March 20 <b>Spring Break</b>
March 23	March 24 Ch 6	March 25	March 26 Ch 6	March 27
March 30	March 31 Ch 7	April 1	April 2 Ch 7	April 3
April 6	April 7 Lab 5	April 8	April 9 Review	April 10
April 13 <b>Easter Holiday</b>	April 14 Exam 3	April 15	April 16 Ch 8	April 17
April 20	April 21 Ch 8	April 22	April 23 <b>LDTD</b> Ch 9 Assign Project	April 24
April 27	April 28 Ch 9	April 29	April 30 Project Due Review	May 1
May 4	May 5 Final Exam 1-3pm	May 6	May 7	May 8 <b>Commencement</b>

**South Plains College Department of Mathematics and Engineering**  
**Math 1442.201: Business Statistics MW 5:20-6:55 Reese 216**  
**Fall 2019 Course Syllabus**

**Instructor:** Alma Lopez

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**Office:** Levelland Campus Math 113

**Office Hours:**

**Telephone:** (806) 716-2664

MW before class or by appointment

**Prerequisites:** College Algebra (Math1314), Math Analysis I (Math1324), or consent of instructor

**Credit:** 4 hours

**Lecture:** 3 hours

**Lab:** 3 hours

This course satisfies a math requirement for Business Majors and some nursing majors (BSN)

**Course Description:** This course is an introduction to the techniques of collection, presentation, analysis, and interpretation of numerical data. Applications of correlation methods, analysis of variance, dispersion, sampling, quality control, reliability, and mathematical models will be covered. This course may require lab time on the computer using EXCEL.

**Course Materials:**

- Textbook: *Elementary Statistics using EXCEL*, by Mario Triola, 6<sup>th</sup> Ed., published by Pearson

Note: No matter how you are going to pay for the access code, MyStatLab does allow a grace period/temporary access for about 14 days where you don't have to pay for the access. Go ahead and get registered for the course on MyStatLab under the grace period and just make sure to enter your access code before the grace period ends.

- Calculator: A graphing calculator with the statistics package is required and you are required to bring your calculator to EVERY class. TI-83, TI-83+, TI-83+TI-84+ are preferred, but many others are also acceptable. Any other graphing calculator, you will need to read your manual to determine how to make the processes work. Cell phones and similar devices may NOT be used as calculators and no sharing of calculators is allowed. If you have any questions about your calculator, check with the instructor immediately.
- Working, reliable internet access

**Methods of Learning Assessment:** Students will be continually assessed throughout the course via in-class group work, questioning, and board work. Other methods of assessment include:

- **Attendance:** Attendance and effort are crucial for success in this course. It is your responsibility to make sure that I have marked you present for each class. Class attendance may be taken at any time during the class period, so please do not arrive late or leave early. The last day for student-initiated drops is Thursday, November 14<sup>th</sup>.
- **Homework:** Homework will be assigned at each class meeting. The homework is not a tool by which I torture you, but rather an opportunity for you to practice the skills presented in class which you will be responsible to demonstrate on a quiz the following class period. If you are interested in passing the class, you will need to do well on the exams. Late homework is not accepted.
- **Excel Assignments:** Some assignments you will need to complete using Excel. When grading these projects, neatness and presentation will count.
- **Exams:** Exams must be taken in pencil during the normal class period. Students are not allowed to leave the examination room until they have turned in their test for grading.
- **Make-up:** Make-up work is given at the discretion of the instructor. NO make-up exams are given without prior notification AND proper documentation. If are absent from class, have given prior notification and proper documentation of your absence, you MUST make arrangements to take the quiz or exam BEFORE the next class period. Students who do not take exams in-class, early or late, forfeit the right to attempt any extra credit on that exam.

**Grading Policy:**

Daily Work (HW, labs Excel Assignments,)	20%
Exams (3 total)	20% each (total of 80%)
Comprehensive Final Project	20%

**Grading Scale:**

90-100%	A
80-89%	B
70-79%	C
60-69%	D
Below 60%	F

## Student Responsibilities and Expectations:

1. Come to class on time and prepared to learn. (Pencils, homework, notebook, calculator)
2. Read the syllabus.
3. Take notes, participate in class, and complete course assignments early enough to seek help if needed.
4. Food and drink are not allowed in class, with the exception of bottled water.
5. Cell phones and any other electronic devices must be silenced and put away before entering the classroom. Use of these devices during class will result in a zero for that day's quiz, homework, or exam.
6. Be courteous and respectful to your instructor and classmates at all times.
7. Use only pencil for all written assignments.

## Resources:

- I am your first and BEST resource for this class! Feel free to come by during my office hours or email me at [alopez@southplainscollege.edu](mailto:alopez@southplainscollege.edu) .
- Free tutoring is available in M116 on the Levelland campus. Hours for the tutors will be posted by the door of M116.
- Form study groups: Networking is an essential tool both in the classroom and in the workforce!
- Your book that you have already purchased.
- Websites that contain helpful videos:           patrickjmt.com                   khanacademy.com

South Plains College

Common Course Syllabus: MATH 1442

Revised December 2019

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

**Discipline:** Mathematics

**Course Number:** MATH 1442

**Course Title:** Business Statistics

**Available Formats:** conventional and internet

**Campuses:** Levelland and Reese

**Course Description:** Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course.

**Prerequisite:** Successful completion with a grade of 'C' or better in MATH 1324 or MATH 1314 and successful completion with a grade of 'C' or better in BCIS 1305.

**Credit:** 3 **Lecture:** 3 **Lab:** 1

**Textbook:** *Elementary Statistics: Using Excel*, Triola, 2018, 6<sup>th</sup> Edition, Pearson Education.

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

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

1. Describe the random processes underlying statistical studies.
2. Calculate and use probability in solving business problems.
3. Compute descriptive statistics, construct graphs for data analysis, and interpret outcomes.
4. Compute and interpret measures of central tendency and dispersion.
5. Calculate expected values to evaluate multiple outcomes of a decision.
6. Describe, interpret, and apply discrete and continuous probability distributions.
7. Construct and interpret confidence intervals for means and proportions.
8. Formulate, perform, and interpret hypotheses tests (one and two population parameters).
9. Calculate, evaluate, and interpret simple linear correlation/regression.
10. Use statistical software to graph, compute, and analyze statistical data.

**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 Policy:** Attendance and effort are the most important activities for success in this course. Records of your attendance are maintained throughout the semester. Five (5) absences, **for any reason**, are allotted to the student for the semester. Tardies count as one-half (1/2) of an absence. Tardies will be applied for consistently being late to class, as deemed by the instructor and leaving class early. If this number is exceeded, the instructor has the right to drop you with a grade of F or an X, depending on their discretion.

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 on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. 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.

**Diversity Statement:** In this class, the teacher will establish and support an environment that values and nurtures individual and group differences 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.

**Disability 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, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

**Nondiscrimination Policy:** 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.

**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 Director of Health and Wellness. 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 Director of Health and Wellness at 806-716-2362 or [email cqilster@southplainscollege.edu](mailto:cqilster@southplainscollege.edu) for assistance.

**Campus Concealed Carry:** 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.

**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.