



Pensacola State College District Syllabus

STA 2023_D2003

Elementary Statistics

Instructor: Eugene Hernandez

Office: Online

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Semester Hours: 3 credit hours

Prerequisite(s): Appropriate placement score or completion of MAT 1033 with grade of C or better.

Course Description : In this course, students will utilize descriptive and inferential statistical methods in contextual situations, using technology as appropriate. The course is designed to increase problem solving abilities and data interpretation through practical applications of statistical concepts. This course is appropriate for students in a wide range of disciplines and programs.

Semester Offered : Fall, Spring, Summer.

Course Designations: Meets AA General Education Core, Mathematics requirement.

General Education Core Course Standard: Per Florida Statute 1007.25, "Mathematics courses must afford students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving." **Textbooks:**

Elementary Statistics (ALKES 360 for College Algebra) Access Code; William Navidi and Barry Monk; 9781266682216; 4th; McGraw Hill; 2022

Elementary Statistics (ALKES 360 for College Algebra) Access Code; William Navidi and Barry Monk; 9781266682155; 4th; McGraw Hill; 2022

Special Requirements:

There is a \$24.99 Lab Fee for Distance Learning courses and NO Lab Fee for Hybrid courses. Distance Learning and Hybrid Sections require an ALEKS access code. Use of ALEKS in face-to-face sections is at the discretion of the instructor. Contact your instructor to determine if ALEKS is required. For sections NOT requiring ALEKS the textbook listed is required.

Course Learning Outcomes:

1. Understand the basic principles of designing a study.
2. Demonstrate an understanding of descriptive statistics through performing and interpreting calculations, organizing raw data, and creating graphs and tables to display information, using technology where appropriate.
3. Make sound inferences about a population based on procedures performed on a sample.
4. Use appropriate formulas and/or tables to determine the probability of events occurring using basic probability rules, the binomial probability distribution, and the normal distribution.

Methods of Evaluation

Weights toward the final course grade are:

Homework assignments	40%
Midterm	30%
Final Exam	30%

(final grades may be adjusted)

Following this grading scale:

- If your final score is 90 - 100, your letter grade will be at least A-.
- If your final score is 75 - 89, your letter grade will be at least B-.
- If your final score is 60 - 74, your letter grade will be at least C-.
- If your final score is 50 - 59, your letter grade will be at least D.
- If your final score is below 50, your letter grade may be an F.

General Education Student Learning Outcomes:

Critical Thinking: The student analyzes, evaluates, and, if necessary, challenges the validity of ideas, principles, or data in order to develop informed opinions, probable predictions, or defensible conclusions.

Scientific and Mathematical Literacy: The student properly identifies and applies scientific or mathematical principles and methods.

Information Literacy: The student effectively locates, evaluates, and applies information from a variety of sources.

Academic Dishonesty Statement: Pensacola State College is committed to upholding the highest standards of academic conduct. All forms of academic dishonesty, to include plagiarism and cheating, are prohibited. Penalties for academic dishonesty include but are not limited to one or more of the following: the awarding of no credit on the assignment, a reduction in the course grade, or the assignment of a final

course grade of F and removal from the course. See the *College Catalog* for more details:
<https://catalog.pensacolastate.edu/content.php?catoid=2&navoid=47#academic-honesty>

Student Email Accounts: Pensacola State College provides an institutional email account to all students enrolled in courses for credit. This institutional email account is the official method of communication, and students must use this account when communicating with the College. In cases where companion software is used for a particular class, email may be exchanged between instructor and student using the companion software.

Flexibility: It is the intention of the instructor to accomplish the objectives specified in the course syllabus. However, circumstances may arise which prohibit the fulfilling of this endeavor. Therefore, this syllabus is subject to change. When possible, students will be notified of any change in advance of its occurrence.

ADA Statement: Students with a disability that qualifies under the American with Disabilities Act Amendments Act of 2008 (ADAAA) must self-identify with the Student Resource Center for ADA Services (SRC/ADA). Disabilities covered by the ADAAA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact SRC/ADA if they are not certain whether a medical condition/disability qualifies. SRC/ADA is located on the Pensacola campus in building 6, room 603, ADA-services@pensacolastate.edu, 850-484-1637. Students may also complete the online intake form in the ADA Services app within the PSC apps dashboard.

Equity Statement: Pensacola State College does not discriminate against any person on the basis of race, ethnicity, national origin, color, gender/sex, age, religion, marital status, pregnancy, disability, sexual orientation, gender identity, or genetic information in its educational programs, activities, or employment. For inquiries regarding Title IX and the College's nondiscrimination policies, contact the Dean of Students at (850) 484-1759, Pensacola State College, 1000 College Blvd., Pensacola, Florida 32504.

Security Statement: Pensacola State College is committed to encouraging all members of the College community to be proactive in personal safety measures. In case of emergency, students should ensure that they are aware of the building exit closest to each of their classrooms, as well as all alternative building exits in case circumstances require using a different route.

Emergency Statement: In the case of severe weather or other emergency, the College administration maintains communication with appropriate state and local agencies and makes a determination regarding the cancellation of classes. Notices of cancellation will be made through the College's PSC Alert system and on the College's website.