

# Pensacola State College Section Syllabus STA 2023\_W1118 Elementary Statistics

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Appropriate placement score or completion of MAT 1033C with grade of C or better.

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A study of fundamental statistical methods including organization, analysis and interpretation of numerical data, measures of central tendency and dispersion, statistical distributions, sampling techniques, hypothesis testing, probability, z-tests, chi-square tests, correlations, and regression equations.

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FA, SP, SU.

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Meets AA General Education Core, Mathematics requirement.

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Elementary Statistics; Navidi; 9781307578133; 3rd; McGraw-Hill; CUSTOM

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None

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

Student Expectations—Students enrolled in this course can expect the following: 1) clearly identified course objectives; 2) productive class meetings; 3) a positive learning environment; 4) opportunities for appropriate student participation; 5) effective instruction; 6) positive and appropriate interactions; 7) assistance with meeting course objectives during and beyond class hours; 8) evaluation of student performance and appropriate and timely feedback; and 9) clear and well-organized instruction.

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.

The student properly identifies and applies scientific or mathematical principles and methods.

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

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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.

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60% - Test Average. There will be 4 major tests during the course. There will be

NO DROP GRADE ( Final Exam can replace your lowest test grade ) and MAKE-UP

TEST will follow the attached policy. Students are responsible for scheduling make-up tests.

10% - Homework. Aleks from McGraw-Hill.

30% - Final Exam. Comprehensive final exam of 20 – 25 questions.

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Pensacola State College provides an institutional email account to all students enrolled in courses for credit. PirateMail is the official method of communication, and students must use Piratemail 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.

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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.

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Students with a disability that falls under the Americans with Disability Act or Section 504 of the Rehabilitation Act, it is the responsibility of the student to notify Student Resource Center for ADA Services to discuss any special needs or equipment necessary to accomplish the requirements for this course. Upon completion of registration with the Student Resource Center for ADA Services office, specific arrangements can be discussed with the instructor.

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Pensacola State College does not discriminate against any person on the basis of race, color, national origin, sex, disability, age, ethnicity, religion, marital status, pregnancy, sexual orientation, gender identity or genetic information in its programs, activities, and employment. For inquiries regarding the College's nondiscrimination policies, contact the Executive Director of Institutional Equity and Student Conduct, 1000 College Blvd., Building 5, Pensacola, Florida 32504, (850) 484-1759.

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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.

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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.