



# NORTHWEST FLORIDA STATE COLLEGE

## STA 2023 Course Syllabus

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**Course Name: Statistics**

**Course Number: STA 2023**

**Section (CRN): 10603**

**Credit Hours: 3**

**Instructor Name: Selin Apak**

**Instructor Office Location: Building 500, Room 101E, Niceville Campus**

**Instructor Email: apaks@nwfsc.edu**

### **Course Curriculum**

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.

### **Broad Goals**

The goal of this course is to (1) introduce the student to basic statistical terms and concepts; and (2) provide students with the skills necessary to apply statistical analysis and reasoning to real-world applications.

### **Objectives**

#### *Student Learning Outcomes:*

- Students will visualize and summarize data using descriptive statistics.
- Students will apply basic probability concepts to draw reasonable conclusions.
- Students will employ concepts of random variables, sampling distributions, and central limit theorem to analyze and interpret representations of data.
- Students will choose an appropriate method of inferential statistics, including confidence intervals and hypothesis testing, to make decisions about a population based on sample data.
- Students will model linear relationships between quantitative variables using correlation and linear regression.
- Students will use calculators and/or software to apply statistical analysis and reasoning to real-world applications.

## **Expectations of the Instructor and Course**

- a. Office Hours: I am available during scheduled office hours at least 10 hours each week. I can also be available at other times. You can contact me via email (preferred) at apaks@nwfsc.edu or phone 850-729-5255 to schedule an appointment. My office hours will be posted on my office door and in Canvas once the semester begins.
- b. Expected email/voicemail response times: I anticipate responding to inquiries and questions within 24-48 hours of receipt, except on weekends and holidays.
- c. Learning Management System Usage: Many (if not all) assignments in this course are completed and/or submitted via ALEKS and/or Canvas. Access to a computer is therefore required for this course, with Chrome being the recommended browser. Canvas and ALEKS list minimum computer specifications and supported browsers to ensure compatibility. Canvas and ALEKS resources are available for students to learn more about these systems. Students have free access to computers at all campuses.
- d. ALEKS: This system is utilized for assignments and/or assessments and provides students with immediate feedback in learning mode.

## **Expectations of the Student**

- a. ACADEMIC INTEGRITY: Active and honest engagement in academic pursuits contributes to an environment conducive to optimal learning, aligning with the college's mission. Conversely, academic misconduct, such as cheating or plagiarism, undermines the integrity of the educational atmosphere and will not be tolerated. "Cheating" encompasses any unauthorized aid in completing coursework. Depending on the severity and frequency of such misconduct, sanctions may range from receiving a failing grade or zero on a test, assignment, or activity, to course failure, or possible suspension or dismissal from the program or college.
- b. Attendance Policy: Regular attendance and participation are significant factors that help to promote success in college. Students are expected to attend ALL class meetings of all courses for which they are registered.

## **How Student Performance Will be Measured**

This course uses various summative assessments to measure student performance toward the student learning outcomes listed above. Grading Scale: A (100-90), B (89-80), C (79-70), D (69-60), and F (59-0).

A breakdown of the final grade is shown below.

ALEKS (Online) Homework:	25%
Attendance and Participation:	5%
Canvas Discussions:	5%
Exam 1:	15%
Exam 2:	15%
Exam 3:	15%
Final Exam:	20%

### **“ALEKS” Homework:**

Homework problems will be assigned in “ALEKS”. It is an online homework program that helps you get instant feedback and access your textbook online.

Homework assignments will be given weekly, due will be every Monday at 11:59 pm. Each homework question will be graded as soon as it is completed. The software also provides the guided solution to some of the problems.

### **Homework Discussions**

I created a discussion panel on Canvas for you to get help from each other about the homework assignments. You are welcome to ask questions, discuss the problems, and help each other. Each post you will make, regardless of it is a question or answer, will bring you ten points. You are expected to collect one hundred points throughout the semester.

### **Make-up Work**

No Make-up Exam will be given without an academic reason. If there is a conflict with a scheduled exam time, please talk to me in advance to reschedule the exam time. If you get sick on a scheduled exam day, you need to provide me a doctor's note, so I will be able to give you a make-up exam. If you miss the deadline of the online homework, please contact me via email as soon as you are able to and state your reason for missing the due date, and I will consider granting extension for homework.