



# NORTHWEST FLORIDA STATE COLLEGE

100 College Boulevard, E. • Niceville, FL 32578-1347 • (850) 678-5111 • [www.nwfsc.edu](http://www.nwfsc.edu)

## INSTRUCTOR INFORMATION

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- Professor: Daniel Fox
- Email: [foxd2@nwfsc.edu](mailto:foxd2@nwfsc.edu)
- Phone: 850.729.6028
- Office Hours: Mon 7:30-8:00, 11:00-12:30, & 2:00-2:30; Tues 9:30-5:30; Wed 7:30-8:00, 11:00-12:30, & 2:30-5:30; also by appointment
- Office Location (Campus/Building/Room): Niceville / Bldg 500 / Room 101C

## INSTRUCTOR COMMUNICATION

Your NWFSC email is the official communication medium of the College. Please check your College email regularly for any class and College notifications.

I will exclusively use student campus email addresses when sending emails. Students should send emails to me at my campus email address, shown above. I will endeavor to respond to all emails sent during weekdays within 24 hours.

## GENERAL COURSE EXPECTATIONS

The online nature of this course and its online requirements demand frequent student participation in order to be successful. Students should expect to log into the Canvas course shell and ALEKS software at least three times per week, in order to remain current with instruction and assignments. Regular and reliable computer access is therefore expected.

In Canvas, students can view recorded lectures, see lecture notes, review practice problems and detailed solutions, view illustrative problem solution videos, and see current grades.

In ALEKS, students will access and complete homework assignments and quizzes.

## COURSE INFORMATION

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- Course Name and Number: STA 2023 Statistics, Section 20105
- Class Location (Campus/Building/Room): N/A
- Class Modality: Online
- Class Days: N/A
- Class Times: N/A
- Online Classroom with Gradebook: [Canvas class shell](#)

- Final Exam: Week of May 5, 2025

### **COURSE DESCRIPTION**

STA 2023, Statistics, 3.0 credit hours – This course provides a general introduction to understanding and applying statistical terms and concepts. Topics include: descriptive statistics, probability, random variables, discrete and continuous probability distributions, sampling distributions, confidence interval estimation, hypothesis testing, two sample inferences, correlation, and simple linear regression. Non-symbolic graphing calculators are required. The TI-83/84 Series is recommended. A minimum grade of "C" is required if used to meet Gordon Rule requirements for general education.

### **COURSE-LEVEL STUDENT LEARNING OUTCOMES**

The student will:

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

### **COURSE PREREQUISITES**

Completion of MAC 1140 with a grade of "C" or better; or completion of MAC 1105 with a grade of "C" or better, and a "C" or better in another Gordon Rule mathematics course; or appropriate placement score.

### **COURSE MATERIALS**

Textbook (required): *Elementary Statistics: A Step-By-Step Approach, 11<sup>th</sup> ed.*, Bluman, McGraw Hill. A digital version of the textbook is recommended for this class, but a printed version is fine as well. Purchase of the required access code to the McGraw Hill ALEKS software product (used for homework and quizzes) provides digital access to the textbook.

Calculator (required): A scientific graphing calculator is required. Either a TI-83 or TI-84 is strongly recommended; these calculators are pre-approved for this course as well as all other MAC courses numbered 1105 and higher. Any type of computer algebra system (CAS) calculator is NOT allowed; this includes the TI-89 and TI-92.

## STUDENT EXPECTATIONS AND RESOURCES

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NWFSC aims for excellence in education and scholarly pursuits. Campus policies and procedures support this goal by protecting the health, safety, welfare, and property of the College and its students. To view all campus policies, please see the [college catalog](#). Several essential policies are provided below.

NWFSC POLICY	DESCRIPTION
<a href="#">Academic Integrity</a>	Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. They are also expected to behave professionally and refrain from disrupting other students' learning environments.
<a href="#">Accommodations</a>	The <a href="#">Accommodation Resource Center</a> at Northwest Florida State College is committed to providing equal access and opportunities for educational success to all students with disabilities as guided by the American Disabilities Act and other disability-related laws.
<a href="#">Attendance</a>	Regular attendance and participation in the course is expected.
<a href="#">Tutoring Services</a>	Tutoring services are available in person and online.
<a href="#">Counseling Services</a>	All actively enrolled students can receive an initial assessment and up to five therapeutic sessions with a Behavioral Health provider at no cost to the student.
<a href="#">Student Code of Conduct</a>	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
<a href="#">Student Complaints</a>	NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student who desires to resolve a grievance may initiate the resolution process using the information in the link provided to the left.
<a href="#">Student Rights and Responsibilities</a>	Understanding your role as a student.

### MAKE-UP WORK

As students will know of all class assignments well in advance of due dates, and will also have considerable opportunity to plan assignment completion in advance of due dates, students should not expect make-up work requests to be granted.

## ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

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### Assignments

All assignments – homework, quizzes, and tests – are detailed in a separate Course Calendar document. This document may be found in the Canvas course shell for this course.

Assignment Category	Points/Percentage of Grade	Due Date
Homework – completed online, using ALEKS software	35% of course grade	Due each week, on Sunday evenings
Quizzes – completed online, using ALEKS software	15% of course grade	Due nearly every week, on Monday evenings
Two semester tests	30% of course grade	See Course Calendar in Canvas for due dates
Final Exam	20% of course grade	See Course Calendar in Canvas for due date
Total	100%	

The lowest single Homework and lowest single Quiz scores will not be considered in the Final Grade calculation.

### Grading Scheme

Grade	Range
A	90 – 100 %
B	80 – 89 %
C	70 – 79 %
D	60 – 69 %
F	59 and less %

## OTHER IMPORTANT INFORMATION

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### TECHNICAL SKILLS AND SPECIALIZED TECHNOLOGY

This course is entirely online. Students must provide their device(s) to access and complete this class online. In addition to baseline word processing skills and sending/receiving emails with attachments, students will be expected to search the Internet and upload/download files. If you encounter technology challenges using course resources in the Learning Management System,

email the Center for Innovative Teaching and Learning at [online@nwfsc.edu](mailto:online@nwfsc.edu) or call 850-729-6464.

#### **EMERGENCY COLLEGE CLOSURE**

This course's schedule, requirements, and procedures are subject to change in the event of unusual or extraordinary circumstances. If the College closes for inclement weather or another emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college reopens. If changes to graded activities are required, students will not be penalized due to the adjustments but will be responsible for meeting revised deadlines and course requirements.

#### **ACADEMIC CONTINUITY PLAN**

NWFSC is dedicated to protecting the health and well-being of its students, staff, and faculty. The College is dedicated to working with faculty and students to ensure timely course and program completion during emergencies. In the event of a College closure, the format of this course may be modified to enable completion of the course through other means, including but not limited to online course delivery through online classrooms. Check your RaiderNet College email and LMS classroom online for any updates.

#### **WELCOME TO CLASS**

I hope you enjoy this course. Feel free to contact me with questions you may have, any time throughout the semester.

Thank you for choosing NWFSC for your education—and welcome to class!