



# NORTHWEST FLORIDA STATE COLLEGE

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

## INSTRUCTOR INFORMATION

---

- Professor: Ryan Adams
- Email: [adams5@nwfsc.edu](mailto:adams5@nwfsc.edu)
- Phone: 850-725-5258
- Office Hours: See post in Canvas
- Office Location (Campus/Building/Room): Niceville 350 210

## 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. The instructor will respond within 2 business days.

## COURSE INFORMATION

---

- Course Subject and Number: STA 2023
- Course Name and Number: Statistics 30291
- Class Modality: Online
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam Due Date: Monday, August 3<sup>th</sup> at Midnight

## COURSE DESCRIPTION

General introduction to understanding, interpreting, 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.

## COURSE GOALS

The goal of this course is to give the student (1) a thorough background in algebra as a basis for the pre-calculus, trigonometry, calculus sequence and (2) algebra skills and concepts useful in any future mathematics course work. It is expected that the student will be able to understand the concepts of algebra as well as work a range of problems, from basic problems up to the more difficult application and conceptual problems.

## COURSE-LEVEL STUDENT LEARNING OUTCOMES

- Students will be able to organize, display, and interpret data using frequency distributions and graphs; and calculate statistical measures from the data.

- Students will be able to apply appropriate probability rules, perform the corresponding calculations, and interpret results.
- Students will be able to create, identify, analyze, and apply probability distributions for both discrete and continuous random variables.
- Students will be able to estimate population parameters using confidence intervals, applying the correct probability distribution.
- Students will be able to perform hypothesis testing using statistical methods.
- Students will be able to demonstrate technology literacy by using a calculator to solve correlation and linear regression problems.

#### **COURSE PREREQUISITES**

MAT 1033A or equivalent with a "C" or better or appropriate placement score.

#### **REQUIRED COURSE MATERIALS**

Elementary Statistics: A Step-By-Step Approach, 11th Ed. Bluman. A TI83/84 graphing calculator is required for course work. I will be going over how to use it during the semester.

#### **COURSE CURRICULUM AND CALENDAR**

See Canvas course for the pacing schedule.

### **ASSIGNMENTS, GRADING SCHEME AND PROCEDURES**

---

**Notes:** To ensure that you have watched the videos, you will need to take notes on the lecture. Blank versions of the lecture notes are provided on Canvas. You may fill in the notes as you watch the video or take your own notes on notebook paper. Scan your notes and submit them to the note check drop box in the module.

**Concept Checks:** After watching the video and taking notes, there will be a concept check after each section. This small assessment will act as a quick check to see if you have important concepts down. You have unlimited attempts at the concept checks. It is recommended to go through them one more time before the tests.

**Discussion Post:** Discussion posts will be assigned during most weeks. Respond to the prompt and be sure to add value to any replies you give.

**Homework:** For each section we cover, I will have a set of problems to be done on ALEKS. The problems should be solved on notebook paper or a notebook so that I can look at your work if there are any issues. The due dates for homework will be posted in ALEKS and Canvas. You should be able to attempt each question 3 times. If you use all 3 attempts, you can try a similar problem. Problems can be solved after the due date; they will receive a 15% penalty. At the end of the semester, the 3 lowest homework grades will be dropped. You should work on all the homework since you will be responsible for the material.

**Tests-** There will be 2 tests and a final during the semester. The tests and the final will be conducted online using Respondus Lockdown Browser and Monitor. You need to make sure you have a working computer with a webcam for these tests. You may also take the test at the Testing Center. The grade for any test completed after its due date may be adjusted based on the timing of the test in relation to when it was originally administered and the reason for the absence.

Assignment Category	Points/Percentage of Grade	Due Date
Notes	5	Due Dates on Canvas
Concept Checks	5	Due Dates on Canvas
Discussion Posts	5	Due Dates on Canvas
ALEKS Homework	15	Due Dates on Canvas
Tests	50	Due Dates on Canvas
Final	20	Due Dates on Canvas
Total	100	

### Other Considerations

- I will drop the three lowest homework assignments.
- You can submit test corrections for the test you did the worst. Make sure to rework each problem completely and submit the corrections by the day of the final. Completing this correction will give you half the points back from the maximum on that test if you attempted all the tests in the semester.
- If you miss one test, your final exam will take the place of the missing test. Missing subsequent tests will give you a zero for each one.
- There is no exemption rule this semester. The final will cover the last third of the material and some of the worst problems from the first two tests.

### Grading Scheme

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

## STUDENT EXPECTATIONS AND RESOURCES

---

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 with the corresponding link to the full policy for your review.

NWFSC POLICY	DESCRIPTION
<a href="#">Academic Integrity</a>	<p>Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. This includes the use of generative AI tools. Using genAI in any form to substantially complete an assessment is prohibited, except where explicitly allowed by the instructor.</p> <p>Any time the instructor suspects there is a violation of Academic Integrity or there is a reported Academic Integrity Incident, the instructor is required to investigate it as outlined in the Academic Integrity section of the handbook (linked to the left). The instructor will provide information to the student about the procedure, the complaint, the findings, and any consequence imposed.</p> <p>Students are also expected to behave professionally and refrain from disrupting other students' learning environments.</p>
<a href="#">Accommodations</a>	<p>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.</p>
<a href="#">Attendance</a>	<p>Regular attendance and participation in the course is expected. All students should adhere to the College calendar. For dual enrolled students, high school holidays may not be College holidays.</p>
<a href="#">Tutoring Services</a>	<p>Tutoring services are available in person and online.</p>
<a href="#">Counseling Services</a>	<p>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.</p>
<a href="#">Student Code of Conduct</a>	<p>Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.</p>
<a href="#">Student Complaints</a>	<p>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.</p>

<a href="#"><u>Student Rights and Responsibilities</u></a>	All students should review the Student Rights and Responsibilities section of the Student Handbook to understand their role as a student.
--	---

## OTHER IMPORTANT INFORMATION

---

### **TECHNICAL SKILLS AND SPECIALIZED TECHNOLOGY FOR ONLINE COURSES**

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 Integrity Tools**

This course supervises exams through an online proctoring tool that will monitor you while completing course assessments. Northwest Florida State College authorizes the use of approved online proctoring solutions, such as Respondus, to promote academic integrity. These solutions have been approved by NWFSC Academic Affairs and NWFSC IT to be used in course assessments. The Respondus solution may monitor assessments by a variety of means, such as but not limited to, viewing and recording through your computer's webcam, monitoring for noise in the room through your computer's microphone and speaker system, monitoring for other internet usage while taking the assessment, and recording keystroke and visual images. The College has authorized these approved online proctoring providers to perform this service for the purpose of maintaining academic integrity. Information gathered through the proctoring solution is used by the College to ensure academic integrity in testing and may result in a complaint against you under the Academic Integrity Policy or Student Code of Conduct, should the College have reason to believe either policy has been violated. By registering for this course and maintaining your enrollment and not dropping the course prior to the add/drop deadline, you freely and voluntarily consent to the online proctoring requirement in this course.

### **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.