



# 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: 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

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- Course Subject and Number: MAC 1105C
- Course Name and Number: College Algebra with Integrated Review 30226
- Class Location (Campus/Building/Room): Crestview CV-60 133
- Class Modality: Traditional
- Class Days: Mondays and Wednesdays
- Class Times: 9:00 AM – 11:15 AM
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: Wednesday, August 5<sup>th</sup> at 9:00 AM

## COURSE DESCRIPTION

In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications. This course will follow an embedded corequisite model in which prerequisite topics will be presented as they are needed to provide a foundation for the acquisition of College Algebra skills. Non-symbolic graphing calculators are required. The TI-83/84 Series is recommended. A minimum grade of "C" is required if used to meet College-Level Communications and Computation Skills requirements for general education. Students cannot obtain credit for both MAC1105 and MAC1105C.

### **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 solve an equation or an inequality using an appropriate technique.
- Students will define and describe functions, their properties, and graphs.
- Students will manipulate functions to simplify expressions and find new functions.
- Students will use transformations to write an equation for a function and to graph a function.
- Students will model and solve real world problems using functions.
- Students will demonstrate technology literacy by using a calculator to graph and analyze functions.

### **COURSE PREREQUISITES**

Students who are exempt from placement testing may enroll in this course with no prerequisites.

Students who are NOT exempt from placement testing may meet the prerequisite through any one of the following:

(1) 114 or higher on the math section of the PERT OR

(2) successful completion of MAT 0022 or MAT 0028 with a grade of “C” or better or equivalent or higher mathematics course.

### **REQUIRED COURSE MATERIALS**

College Algebra & Trigonometry, 2nd edition by Julie Miller and Donna Gerken. 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

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**Concept Checks and Review Activities-** We will have review activities during the class session. For some activities, you will need to watch a small video before class and complete the concept check in Canvas. Review activities are graded on completion. The concept checks are graded on accuracy. These can be completed multiple times to get the highest grade possible.

**Homework-** For each section we cover, I will have a set of problems assigned to ALEKS. The problems need to be 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 three attempts, you can try a similar problem. Problems completed after the due date will receive a 15% penalty. At the end of the semester, I will drop the 3 lowest homework grades. You should work on all the homework since you will be responsible for the material.

**Test and Final-** There will be two tests and the final exam. You may make up for a test in advance if you know you will miss it. You can also make up a test if you have proof of military leave or you are representing the college at a school function. However, if I do not hear from you before I give a test you cannot make it up.

Assignment Category	Points/Percentage of Grade	Due Date
Concept Checks and Review Activities	10	Due dates are in Canvas
Homework	15	
Tests	50	
Final	25	
Total	100	

### Other Considerations

- I will drop the three lowest homework grades.
- You can submit test corrections for the test you did the worst. Make sure to rework each problem completely and submit the corrections on 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. (The maximum for a late test is 85)
- 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 policy this semester. The final will cover the final third of the material along with 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

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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 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="#"><u>Tutoring Services</u></a>	Tutoring services are available in person and online.
<a href="#"><u>Counseling Services</u></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="#"><u>Student Code of Conduct</u></a>	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
<a href="#"><u>Student Complaints</u></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="#"><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

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

Parts of this course are 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.