



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Mr. Chris Mizell
- Email: mizellc@nwfsc.edu
- Phone: 850-729-5240
- Office Hours: TBA
- Office Location (Campus/Building/Room): NV-350, Rm. 108

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 endeavor to respond to respond to all email correspondence within 2 business days and within 1 business day whenever possible.

COURSE INFORMATION

- Course Name and Number: MAC 1105C CRN 30348
- Class Location (Campus/Building/Room): Online
- Class Modality: Online
- Class Days: Instructional content delivered asynchronously.
- Online Classroom with Gradebook: [Canvas class shell](#)
- Comprehensive Final Quiz 8 Due: Saturday, August 2, 2025

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 IN ORDER 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-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.

COURSE MATERIALS

Calculator: You will need to obtain a graphing calculator. You are encouraged to use either the TI-83 Plus or TI-84 Plus. You will be required to use your graphing calculator on the exams. On the exams, you will *not* be permitted to use a TI-89 or TI-92 or any other calculator with CAS technology. You will *not* be permitted to use a computer (other than the one you are taking your quiz with in Lockdown Browser), a telephone, a tablet or other communication device on the quizzes. The use of books, notes, note cards, and formula sheets is also prohibited.

Textbook: *College Algebra & Trigonometry*, 2nd ed, Miller and Gerken, McGraw-Hill, 2023. You can purchase either the ALEKS access code by itself or the shrink-wrapped package that contains both the loose-leaf textbook and the ALEKS access code. Or if you prefer, you can purchase access directly from ALEKS for \$65. You may want to consider purchasing one full year of ALEKS access for \$100 if you are planning to take STA2023 or MAC1140 with us as well. Your ALEKS access is transferable to that course. Each time you log in to ALEKS, you will be given the opportunity to purchase a printed copy of the textbook for an additional \$25. Online access to the eBook is included with ALEKS. Having the printed copy of the textbook is optional. **Important! If you opt for the 1 year of access and skip a semester or two before taking STA2023 or MAC1140, call ALEKS customer support and ask them to put your ALEKS access on hold. That way you will still have up to 9 months of access left when you decide to take the next ALEKS course.**

Webcam: Access to a webcam and computer will be required for Respondus Monitor, which will be used in conjunction with Lockdown Browser for the proctoring of the quizzes. This semester you may use either an internal webcam or a USB webcam, but it must be positioned so that your hands are clearly visible throughout the quiz. Using an internal webcam may be somewhat less convenient because the computer screen will have to be tilted toward you during the quizzes, potentially making the screen somewhat more difficult to view. This potential inconvenience should be weighed against the cost of a USB webcam, which typically can be obtained online for approximately \$50. **Pro tip: In this class it is okay to tilt the screen up for easy viewing as long as your eyes are on the screen. When your eyes turn back downward toward your workspace, tilt the screen back downward to focus on the area your eyes are looking at.**

Again, make sure the webcam can see your hands throughout the quiz. If your hands disappear from view for very long at all, it is reasonable to assume that you may have been using them to enter and retrieve information from a cellphone or other communication device, **which is academic dishonesty**. If this is found to have happened, a warning will be given. If it happens a second time, or if it happens for the very first time on the comprehensive final quiz 8, a grade of 0 will be assigned for each quiz where it is found to have occurred.

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.

NWFSC POLICY	DESCRIPTION
Academic Integrity	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.
Accommodations	The Accommodation Resource Center 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.
<u>Attendance</u>	Regular attendance and participation in the course is expected.
<u>Tutoring Services</u>	Tutoring services are available in person and online.
<u>Counseling Services</u>	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.
<u>Student Code of Conduct</u>	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
<u>Student Complaints</u>	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.
<u>Student Rights and Responsibilities</u>	Understanding your role as a student.

MAKE-UP WORK

When unforeseen circumstances inhibit you from completing assignments or quizzes on time, please feel free to reach out to me. I can usually be very flexible with due dates to help ensure that you stay caught up in the class or I can even work with you to get caught up if you find that you've fallen significantly behind in completing your assignments and quizzes.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

Introduction to the Course Quiz	5%
ALEKS Homework	20%
ALEKS Quizzes 1-7 (highest 6)	55%
ALEKS Comprehensive Quiz 8	20%

A 90 - 100%, B 80 - 89%, C 70 - 79%, D 60 - 69%, F Less than 60%

The Introduction to the Course Quiz is found in Canvas and will count as 5% of your overall grade for the class. You have an unlimited number of attempts for the quiz. **You should take the quiz on the first day of class, Wednesday, May 14, or as soon thereafter as possible. Please note that taking the Introduction to the Course Quiz is a required component of the class, but it does not count as academic progress in the class for the purpose of determining attendance in this online class. To keep from being withdrawn for nonattendance, you must begin working on your ALEKS homework and obtain a nonzero score on at least one assignment.**

The ALEKS homework will count as 20% of your overall grade for the class. You have an unlimited number of attempts for each problem number in each homework assignment. When you click on the ALEKS folder in Canvas, you will be directed to the ALEKS website where you can either enter your access code obtained from the bookstore, purchase access directly from ALEKS, or enter the financial aid code for ALEKS found in the Getting Started folder. **You should register for ALEKS on Wednesday, May 14, but you must register by Thursday, May 22 AND BEGIN WORKING ON YOUR HOMEWORK or risk being dropped from the class for nonattendance. You must obtain a nonzero grade on at least one homework assignment in order to avoid being dropped from the class for nonattendance.** You may take advantage of the financial aid code (found in Canvas), which grants free access for the first two weeks if you like.

There will be 8 Quizzes throughout the semester. **The first one is due on Saturday, May 25, after which they will come due on alternate Tuesday and Saturday nights throughout the semester.**

Comprehensive Quiz 8 is due on Saturday, August 2. The quizzes make up the bulk of your grade for the class. Although they will be conducted through ALEKS, you are asked to submit scanned copies of your work immediately after submitting each quiz. The lowest of the grades for Quizzes 1-7 will be dropped. Comprehensive Quiz 8 will cover content from the entire course and will not be dropped, even if it is lower than the other quiz grades. You will *not* be permitted to use a computer (other than the one you are taking your quiz with in Lockdown Browser), a telephone, a tablet or other communication device on the quizzes. The use of books, notes, note cards, and formula sheets is also prohibited.

Assignment Category	Points/Percentage of Grade	Due Date
Introduction to the Course Quiz	5%	Thursday, May 22
ALEKS Homework	20%	Friday, May 24 and alternate Mondays and Fridays thereafter.
ALEKS Quizzes 1-7 (Highest 6)	55%	Tuesday, May 22, 11:59 pm and alternate Tuesdays and Saturdays thereafter.
Comprehensive Final Quiz 8	20%	Saturday, August 2, 11:59 pm
Total	100%	

Grading Scheme

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

OTHER IMPORTANT INFORMATION

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 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

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