

INSTRUCTOR INFORMATION

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

INSTRUCTOR COMMUNICATION

Your NWFSO 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 48 hours, **Monday through Thursday**.

COURSE INFORMATION

- Course Name and Number: MAC 1105C 30225
- **College Algebra with Integrated Review (4 credit hours)**
- Class Location (Campus/Building/Room): NV-350, Rm. 110
- Class Modality: Traditional
- Class Days: MW
- Class Times: 9:45 – 12:00 pm
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: Wednesday, August 5

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.**

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.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

| Assignment Category | Points/Percentage of Grade | Due Date |
|--------------------------|----------------------------|--|
| Concept Checks | 5% | Periodically, as noted in Canvas. |
| Worksheets | 5% | In-class assignments. |
| ALEKS Homework | 20% | Friday, 5/22, 11:59 pm and as indicated in ALEKS. |
| Semester Exams | 60% | Three semester exams, each roughly $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ mark of the semester. |
| Comprehensive Final Exam | 20% | August 5 |
| Total | 100% | |

Grading Scheme

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

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| NWFSC POLICY | DESCRIPTION |
|---|--|
| Academic Integrity | <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> |
| Accommodations | <p>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.</p> |
| Attendance | <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> |
| Tutoring Services | <p>Tutoring services are available in person and online.</p> |
| Counseling Services | <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> |
| Student Code of Conduct | <p>Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.</p> |
| Student Complaints | <p>NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student</p> |

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| | 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> | All students should review the Student Rights and Responsibilities section of the Student Handbook to understand their role as a student. |

OTHER IMPORTANT INFORMATION

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!