



# NORTHWEST FLORIDA STATE COLLEGE

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

## MAC 1105C COURSE SYLLABUS

### INSTRUCTOR INFORMATION

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- Professor: Tony Vitale
- Email: [vitalea@nwfsc.edu](mailto:vitalea@nwfsc.edu)
- Phone: 850-687-5701
- Office Hours: **Available times will be discussed in class**
- Office Location (Campus/Building/Room): N/A

### INSTRUCTOR COMMUNICATION

a. Office Hours: You can contact me via NWFSC email (**preferred**) at [vitalea@nwfsc.edu](mailto:vitalea@nwfsc.edu) or phone 850-687-5701 to schedule an appointment. **Do not use CANVAS to contact me.** Office hours will be discussed in class once the semester begins.

b. Email/voicemail response time of the instructor: Please check your College email regularly for any class and College notifications. You can anticipate responses to inquiries and questions within 24-48 hours of receipt except on weekends and holidays.

### COURSE INFORMATION

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- Course Name and Number: MAT1105C/20664
- Class Location (Campus/Building/Room): Niceville/Bldg. 350/110
- Class Modality: Face to Face
- Class Days: Monday/Wednesday
- Class Times: 4:30pm-6:15pm
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: 3 May 2026 at 4:00pm

## **COURSE DESCRIPTION**

College Algebra with Integrated Review 4 Credit Hours (Offered Fall, Spring, Summer) This course is a corequisite course where fundamental concepts from Intermediate Algebra are integrated into College Algebra. Topics include subsets of real numbers, fundamental operations on polynomials, factoring, rational exponents, operations on radicals, complex numbers; solving linear, quadratic, rational, and radical equations; solving linear inequalities, literal equations, absolute value equations and inequalities; relations and functions, including domain, range, function notation, operations, and inverses; graphs of functions, including linear, quadratic, rational, absolute value, radical, and piece-wise defined functions, analysis of graphs of functions; linear systems of equations and inequalities; exponential and logarithmic properties, functions, graphs and equations; and applications such as curve fitting, modeling, optimization, exponential and logarithmic growth and decay. 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. Students cannot obtain credit for both MAC1105 and MAC1105C.

## **COURSE PREREQUISITES**

Prerequisite(s): 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-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.*

## **REQUIRED COURSE MATERIALS**

COLLEGE ALGEBRA & TRIGONOMETRY Second Edition, Julie Miller \* Donna Gerken, McGrawHill.

Must purchase ALEKS

Graphing Calculator is required -TI-83 or TI-84 recommended

## ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

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### Assignments

This course uses various summative assessments to measure student performance toward the student learning outcomes listed above. Grading Scale: A (100-90), B (89-80), C (79-70), D (69-60), and F (59-0).

A breakdown of the final grade is shown below.

ALEKS Math Homework	: 30%
Test 1	: 10%
Test 2	: 10%
Test 3	: 10%
Test 4	: 10%
*Final Exam	: 30%

\*Final Exam is on 3 May starting at 4:00pm

### Instructor Guidelines:

- a) Attendance Policy: Regular attendance and participation are significant factors that help to promote success in college. Students are expected to attend ALL class meetings of all courses for which they are registered, as attendance is one of the strongest predictors of success. **Therefore, each unexcused missed class may result in a penalty of 2% of your grade.**
- b) No Make-up Exam will be given without an academic reason. If there is a conflict with a scheduled exam time, talk to me in advance to reschedule the exam time. If you get sick on a scheduled exam day, you need to provide me a doctor's note, so I will be able to give you a make-up exam. If you miss the deadline of the online homework, contact me via email as soon as you are able to and state your reason for missing the due date, and I will consider granting extension for homework. **It is the student's responsibility to track and complete ALEKS home work on time.**
- c) Canvas Resources are available for students to learn more about using the Canvas learning management system we are using for this course. Since all homework assignments are through ALEKS, access to a computer is required for this course. Students have free access to computers at all campuses. Canvas lists minimum computer specifications and supported browsers to ensure compatibility. The Chrome browser is recommended.
- d) d. ALEKS: Engages students with online tools used for formative assessments.  
**Class Code: TDB**
- e) Electronic devices must not distract from learning. Courtesy to the professor and other students requires that phones be on vibrate or silent mode during class. No student should initiate conversations, including texts, during class activities. Use of electronic communication devices during examinations or other graded activities may constitute grounds for disciplinary action; such devices must be completely out of sight during exams or other assessments. Where emergency or employment situations require access to electronic communication services, arrangements may be made in advance with the instructor.

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

**Student Rights and Responsibilities**

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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### **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!