



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Ryan Adams
- Email: adams5@nwfsc.edu (preferred method of contact)
- Phone: (850) 729-5258
- Office Hours: See Canvas for Office Hours and Zoom Link
- Office Location : Niceville Building 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. I usually take 1 – 2 business days to respond back.

COURSE INFORMATION

- Course Name and Number: Trigonometry MAC 1114 30025
- Class Location (Campus/Building/Room): Online
- Class Modality: Online
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam Due Date: Tuesday, August 5th at midnight.

COURSE DESCRIPTION

This is the second course in a pre-calculus sequence. A typical modern trigonometry course which includes the following topics: definitions, graphs, and properties of the six trigonometric functions and their inverses; trigonometric identities; solving trigonometric equations; solving right and oblique triangles and applications; complex numbers; vectors; and the polar coordinate system.

COURSE-LEVEL STUDENT LEARNING OUTCOMES

- The student will be able to evaluate Trigonometric functions and their inverses, interpret their graphs and demonstrate an understanding of their properties.
- The student will be able to verify Trigonometric Identities.
- The student will be able to solve trigonometric equations.
- The student will be able to solve triangles using methods that include the Pythagorean Theorem, the Law of Sines, and the Law of Cosines.
- The student will be able to demonstrate an understanding of complex numbers and the relationship between polar and rectangular coordinate systems.

- The student will be able to create and apply appropriate mathematical models to solve Trigonometric application problems.

COURSE PREREQUISITES

Completion of MAC1140 with a grade of “C” or better, or equivalent; or appropriate placement score. This course may be taken concurrently with MAC1140 with special permission from the Mathematics Department

COURSE MATERIALS

College Algebra & Trigonometry, 2nd edition, by Miller and Gerken. An ALEKS account is required. If you bought a new book, a code is included with the book. A code can be purchased when you make your account. A TI83/84 graphing calculator is required for course work. I will be going over how to use it during the semester.

ASSIGNMENT SCHEDULE

Week	Wednesday	Tuesday	Activity	Due Date
1	14-May	20-May	5.1, 5.2	20-May
2	21-May	27-May	5.3, 5.4	27-May
3	28-May	3-Jun	5.5, 5.6, 5.7	3-Jun
4	4-Jun	10-Jun	Review, Test 1	10-Jun
5	11-Jun	17-Jun	6.1, 6.2	17-Jun
6	18-Jun	24-Jun	6.3, 6.5	24-Jun
7	25-Jun	1-Jul	7.1, 7.2, 7.3	1-Jul
8	2-Jul	8-Jul	Review, Test 2	8-Jul
9	9-Jul	15-Jul	11.6, 8.1	15-Jul
10	16-Jul	22-Jul	8.2, 8.3	22-Jul
11	23-Jul	29-Jul	8.4, 8.5	29-Jul
12	30-Jul	4-Aug	Review, Final	4-Aug

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.

<u>Accommodations</u>	The <u>Accommodation Resource Center</u> 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 courses 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.

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 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 have to give.

Homework: For each section we cover, I will have a set of problems to be worked on ALKES. Problems should be solved on notebook paper or a notebook so that I can look at your work if there are any issues. Due dates for homework will be posted in ALKES 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 worked on after the due date; they will be graded with 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. Along with the ALKES problems, there will be a small set of problems that will be worked out at certain times during the semester. The problems will be posted on Canvas. The intent of these problems is to ensure proper mathematical notation and accuracy. You will need to scan your work and submit it Canvas. Your work needs to be submitted as one PDF file. There are plenty of apps that will convert pictures of your work into a scan. One highly recommended app is Adobe Scan. If you need help with this process, I will be happy to help.

Tests- There will 2 tests and a final during the semester. They will be on Canvas using the Respondus Lockdown Browser and Respondus Monitor. Show all work on notebook paper and/or graph paper. When you are done taking your exam, you must submit your work within 15 minutes of completing the exam to receive any credit for the test. Make sure your work is scanned and is uploaded as one PDF file. We will use the class time to take the test and final. Late test (and final if approved to take it late) will take a 20-point penalty.

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 and Problem Sets	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 3 lowest homework grades.
- To improve your test average, you may submit test corrections for the test you did the worst on. 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 rule this semester. The final covers the last third of the material and the worst problems from the two tests.

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 INTEGRITY TOOLS

Northwest Florida State College subscribes to Turnitin, an online plagiarism detection and prevention service. By enrolling in this class, students consent to upload their papers to Turnitin, where they will be checked for plagiarism. Papers submitted to Turnitin may be saved as source documents within these databases to detect plagiarism in other papers. Please note: All assignments submitted in this course are analyzed for plagiarism and originality.

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!