Math 4A-52610 (CC1 201)
Trigonometry

Spring 2023
Course Syllabus

Hi, and welcome to Math 4A, I want to start by letting you know that I am here to support you as you go through this course. You will be challenged in this class, but you will be given multiple opportunities to show mastery as well as support from your instructor. I want to welcome ALL of you right now to reach out to me whenever you have a question, or need help. College is NOT meant to be done alone, we all had help. To support you in this class you will have 7 review sessions, I do have office hours, You have the Math Center, I will do my best to form study groups if you are interested in joining one, I may also contact you via email, especially if you fall behind.

General Information

Instructor
Veronica Andrade

Office
Math and Science room 131

Office Hours (Office Hours DO NOT require an appointment, you just drop-in)
Virtual Office Hour
Mondays and Wednesdays 9:00 – 10:15
Links to virtual office hours: https://scccd.zoom.us/j/89231859229

In-Person office hours (Math and Science Building Room 131)
Thursdays 1:00 – 2:50

Class Times (Room CC1 201)
Tuesdays and Thursdays 11:00 – 12:50 (1/10/2023 through 5/11/2023)
Final Exam: Tuesday 5/16/2023 11:00 – 12:50

Email
maria.andrade-romeo@reedleycollege.edu

Prerequisites
none

Course Description
The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the

Law of Cosines and the Law of Sines, polar coordinates, and introduction to vectors.

Text and Required Material

1. Lial, Hornsby, Schneider & Daniels "Trigonometry" 11th edition MyMathLab Access Card. The best and cheapest way to purchase the access card is with a credit card through CANVAS. You do not have to purchase the actual paper textbook, It is mandatory to purchase only the 18-week MyMathLab Access Card and this comes with a digital copy of the book.
2. Scientific Calculator (sin, cos, tan keys are necessary).
3. Straight edge (ruler)
4. Printing Paper (I prefer you do math on non-lined paper) and a few pages (about 10) of graph paper

Reasons for which you may be dropped

I don't like to drop students but from time to time I have had to, here are the reasons for which you may be dropped:

1. You will be dropped if you do not attend class, especially if there is a waiting list and there are other students present to take your spot. If you have not attended class on or before 1/19/2023 you will be dropped even if there is no waiting list.
1. I am very flexible and do not have penalties for turning work in late, but I DO expect you to advance at a good pace; you may be dropped if you are not here for your 1st test on 1/19/2023.   Contact me before the test if you absolutely cannot be here; to make arrangements.
2. You may be dropped if you have not completed at least 3 different unit tests by 3/9/2023.

   NOTE: If you want to drop the class, make sure that you do so on Self-Service, do not depend on me to drop you.

Important Dates

1/10/2023- Make sure to sign up for MyMathLab (do NOT pay by this date, use the 14-day free trial, it is very important to use the free trial before purchasing the 18-week access code because this semester actually has 19 weeks due to Spring Break).
1/20/2023 – Last day to drop a full-term class for a full refund.
1/23/2023- Make sure to pay for MyMathLab by this date. You only need the 18-week access code. It should be around $80 if purchased online. Purchase the access code before your free trial expires.
1/27/2023- Last day to drop a full-term class to avoid a "W" (in person); last day to register for a full-term class.
3/10/2023 – Last day to drop a full-term class, after this date a letter grade will be assigned.
5/16/2023 – Final Exam
See the Calendar posted under Unit 0 in CANVAS, for more important dates.

Grading

Grade	Range
A	90 – 100%

B	80 – 89%
C	70 – 79%
D	60 – 69%
F	0 – 59%

Grade Category	Weight
Exams: Tests Only	100%

YOUR GRADE IS THE GRADE ON THE CANVAS GRADEBOOK (NOT THE GRADE IN MYMATHLAB) AND ONLY TESTS COUNT TOWARDS YOUR GRADE.

Tests

You may not give or receive help on tests. Tests will make up 100% of your grade. You WILL have at least two opportunities to take each exam. You will NOT be penalized for late submissions.

Homework

Homework WILL NOT be part of your grade but you need to do the homework and practice to prepare for the exams. Poor completing of homework has been reflected on poor test results in the past. Quite a few students ask me "If homework is not part of my grade do I have to do it?" I don't want you to do the homework to "chase" points, rather I want you to focus on the homework to understand the material. Do not skip on homework, it might not be part of your grade but you are being tested on your understanding of this material on the unit tests. Homework will be completed in MyMathLab where you will have immediate results and you can also access extra help. BE CAREFUL with the "View an Example" and "Help me solve this" features in MyMathLab. It is ok to use these features but they can trick you into believing you understand something when in reality you are just "copy-catting" the steps. Do not overuse these features because you are not properly preparing for the exams.

Instruction

This is an in-person class and we will meet to cover and practice the material during class time. I will also post video lessons in CANVAS so that you can go back and review there as well. Do NOT skip class, if you signed up for an in-person class I an thinking that it is because you prefer to meet regularly with an instructor. Remind yourself of this and keep coming to class.

Students with Disabilities

If you have any special needs addressed by the American Disability Act and need course materials in alternate modes, or alternate testing circumstances, do notify me as soon as possible. Upon notification, immediate reasonable efforts will be made to accommodate your special needs.

Student Learning Outcomes

Upon completion of this course, students will be able to:
1. Provide and analyze graphs of trigonometric functions.
2. Apply trigonometric techniques to solve problems in real world contexts.
3. Derive, use and prove trigonometric properties and identities.
4. Produce solutions to equations using skills developed in trigonometry.

Course Objectives

In the process of completing the course, the student will:

1. Identify special triangles and their related angle and side measures;
2. Evaluate the trigonometric function of an angle in degree and radian measure;
3. Manipulate and simplify a trigonometric expression;
4. Solve trigonometric equations, triangles, and applications;
5. Graph the basic trigonometric functions and apply changes in period, phase and amplitude to generate new graphs;
6. Evaluate and graph inverse trigonometric functions;
7. Prove trigonometric identities;
8. Convert between polar and rectangular coordinates and equations;
9. Graph polar equations;
10. Calculate powers and roots of complex numbers using DeMoivre's Theorem
11. Represent a vector (a quantity with magnitude and direction) in the form and ai+bj

Academic Dishonesty

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.
Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Disclaimer

Ms. Andrade-Romeo reserves the right to make changes to the syllabus with whole class notificatio