

### Course Information

Semester & Year:	Spring 2020
Course ID & Section #:	MATH-25-E7510 / MATH-25-K7511 / MATH-25-D8785
Instructor's name:	Tony Luehrs
Day/Time:	MWF 2:50 – 4:05
Location:	Eureka: LRC 105 / Del Norte: D28 / KT: TBD?
Number of units:	4

### Instructor Contact Information

Office location:	Science 216E
Office hours:	M: 11:00-12:00    T: 1:00-2:00    W: 1:45-2:45    R: 3:30-4:30
Phone number:	707-476-4531
Email address:	anthony-luehrs@redwoods.edu

### Required Materials

Textbook title:	<i>Algebra &amp; Trigonometry</i>
Edition:	7 <sup>th</sup> (the purple one, not the green one)
Author:	Sullivan
ISBN:	0-13-143073-4
Other requirement:	A graphing calculator (TI recommended) is required for this course

### Catalog Description

A study of trigonometric functions, radian measure, solution of right triangles, graphs of the trigonometric functions, inverse trigonometric functions, trigonometric identities and equations, laws of sines and cosines, solution of oblique triangles, polar coordinates, complex numbers in trigonometric form, De Moivre's theorem, and conic sections. Note: A graphing calculator is required.

### Course Student Learning Outcomes (*from course outline of record*)

1. Analyze and solve problems involving trigonometric functions or analytic geometry.
2. Apply the mathematics of trigonometric functions and analytic geometry to real-world problems and applications.
3. Use graphing technology to visualize trigonometric and polar curves, explore mathematical concepts, and verify results.
4. Write solutions to mathematical exercises in trigonometry and analytic geometry using sound mathematical reasoning with appropriate use of numerical, graphical, and symbolic representations.

## Evaluation & Grading Policy

Your grade in this course will be comprised of the following components:

Online Homework	35%
Tests	45%
Final Exam	20%

Regardless of the other components of your grade, you must receive a Final Exam score of at least 50% to pass the course. We will likely take 3 tests in this course, which will result in each test being worth 15% of the overall grade.

## Prerequisites/co-requisites/ recommended preparation

A passing grade of C in Math120 (Intermediate Algebra) is required for this course.

## Technology

A graphing calculator is **required** for this course. Calculators are available for loan through the library for 15\$ per semester. You should bring your calculator to class every day.

## Homework

Homework will be assigned daily via the free online math website **My Open Math** (aka MOM). Students will create a (free) student account at [myopenmath.com](http://myopenmath.com) and register for course ID **67943** (which is unique to this course and this semester) with **no** enrollment key. Some things to know about how we'll interact with MOM this semester:

- Typically, homework will be due at 11:59pm the evening of the following class period (for example, homework assigned Monday will be due by 11:59pm on Wednesday.) Note that the closing time is 1 minute *before* midnight – if I set the closing time to midnight, that would be associated with the *following* date on the calendar, even though you will have zero time associated with that calendar day to work on or submit any part of the assignment.
- Each student will get an unlimited number of attempts at each problem (that is, even if you submit 50 incorrect answers, you can keep trying until you are correct, at which point you will earn full credit for the problem).
- Each time you answer a single question incorrectly 3 times, MOM will create a new but equivalent question to be associated with that problem.
- Each student will get 3 “late passes” to use at their discretion over the course of the semester that will extend the deadline of a single assignment by 48 hours.
- Each problem has the option of emailing the instructor about the problem within MOM. This is highly preferable to sending a message through Canvas or by direct email, since any message to the instructor through MOM will automatically attach the full problem (which makes it much much easier for me to respond).

This is my first experience using this online homework system, and so we'll all be learning the ins and outs of this system together.

## Tests

Tests will be given in class with at least one week's notice. Make up tests will only be given under extreme and documented circumstances. Test date and times are not flexible. All students are expected to take every test exactly as scheduled. That being said, life does happen. If for any reason you are unable to attend a regularly scheduled test, and are unable to communicate that to me before the test, you will have three school days after the test day to provide proof of your extreme and documented circumstances. Lack of transportation for any

reason does not constitute extreme and documented circumstances, as you can still email me or call my office phone before the test occurs. Any makeup tests will be taken in the testing center in the LRC (library).

## **Final Exam**

This course requires that each student take a comprehensive final exam at the end of the semester. The final exam time and date for this course is **Monday, May 11 3:15 - 5:15**. Every student will take the final exam at this time and date with no exceptions. If you cannot attend this final exam, you should not take this course. Students must receive a grade of 50% or greater on the final exam to pass the course regardless of remaining components of their grade.

## **Attendance**

Attendance is required. I reserve the right to drop any student from the course who misses more than 4 course meetings. If you know you are going to miss a class, it is your responsibility to be in contact with me before class is missed.

## **Institutional Policies**

### **Special accommodations statement**

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS at 707-476-4280.

### **Student Accessibility Statement and Academic Support Information**

Academic support is available at Counseling and Advising and includes academic advising and educational planning, Academic Support Center for tutoring and proctored tests, and Extended Opportunity Programs & Services, for eligible students, with advising, assistance, tutoring, and more.

### **Special accommodations statement**

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability-related services and accommodations, please see me or contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS based on their campus location:

- Eureka: 707-476-4280, student services building, 1<sup>st</sup> floor
- Del Norte: 707-465-2324, main building near library
- Klamath-Trinity: 530-625-4821 Ext 103

## Student Access

These standards are required by federal regulation. Students will have access to this course that complies with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Course materials will include a text equivalent for all non-text elements; videos will include closed captioning, images will include alt-tags, hyperlinks will use descriptive/meaningful phrases instead of URLs and audio files will include transcripts. All text will be formatted for use with screen readers and all course materials will be understandable without the use of color.

Students who discover access issues with this class should contact the instructor.

## Admissions deadlines & enrollment policies

Spring 2020 Dates

- *Classes begin: 1/18/20*
- *Martin Luther King Jr. Day (all-college holiday): 1/20/20*
- *Last day to add a class: 1/24/20*
- *Last day to drop without a W and receive a refund: 1/31/20*
- *Census date: 2/3/20 or 20% into class duration*
- *Lincoln's Birthday (no classes): 2/14/20*
- *Last day to petition to file P/NP option: 2/14/20*
- *President's Day (all-college holiday): 2/17/20*
- *Last day to petition to graduate or apply for certificate: 3/05/20*
- *Spring break (no classes): 3/16/20-3/21/20*
- *Last day for student-initiated W (no refund): 4/3/20*
- *Last day for faculty initiated W (no refund): 4/3/20*
- *Final examinations: 5/9/20-5/15/20*
- *Semester ends: 5/15/20*
- *Grades available for transcript release: approximately 6/1/20*

Students who have experienced extenuating circumstances can complete & submit the **Excused Withdrawal Petition** to request an Excused Withdrawal (EW) grade instead of the current Withdrawal (W) or non-passing (D, F & NP) grades. The EW Petition is available from the Admissions and Records Forms Webpage. Supporting documentation is required.

## Academic dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

## Disruptive behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process, a disruptive student may be temporarily removed

from class. In addition, the student may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

## Canvas Information

Log into Canvas at <https://redwoods.instructure.com>

Password is your 8 digit birth date

For tech help, email [its@redwoods.edu](mailto:its@redwoods.edu) or call 707-476-4160

Canvas Help for students: <https://www.redwoods.edu/online/Help-Student>

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

## Gender-Inclusive Language in the Classroom

College of the Redwoods aspires to create a learning environment in which all people feel comfortable in contributing their perspectives to classroom discussions. It therefore encourages instructors and students to use language that is gender-inclusive and non-sexist to affirm and respect how people describe, express, and experience their gender. Just as sexist language excludes women's experiences, non-gender-inclusive language excludes the experiences of individuals whose identities may not fit the gender binary, and/or who may not identify with the sex they were assigned at birth. Gender-inclusive/non-sexist language acknowledges people of any gender (for example, first year student versus freshman, humankind versus mankind, etc.), affirms non-binary gender identifications, and recognizes the difference between biological sex and gender expression.

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

## Emergency procedures / Everbridge

College of the Redwoods has implemented an emergency alert system called Everbridge. In the event of an emergency on campus you will receive an alert through your personal email and/or phones. Registration is not necessary in order to receive emergency alerts. Check to make sure your contact information is up-to-date by logging into WebAdvisor <https://webadvisor.redwoods.edu> and selecting 'Students' then 'Academic Profile' then 'Current Information Update.'

Please contact Public Safety at 707-476-4112 or [security@redwoods.edu](mailto:security@redwoods.edu) if you have any questions. For more information see the [Redwoods Public Safety Page](#).

In an emergency that requires an evacuation of the building anywhere in the District:

- Be aware of all marked exits from your area and building
- Once outside, move to the nearest evacuation point outside your building
- Keep streets and walkways clear for emergency vehicles and personnel

Do not leave campus, unless it has been deemed safe by the campus authorities.

## Del Norte Campus Emergency Procedures

Please review the [Crescent City campus emergency map](#) for campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information see the [Redwoods Public Safety Page](#).

## Klamath Trinity Campus Emergency Procedures

Please review the [campus emergency map](#) for evacuation sites, including the closest site to this classroom (posted by the exit of each room). For more information on Public Safety go to the [Redwoods Public Safety Page](#). It is the responsibility of College of the Redwoods to protect life and property from the effects of emergency situations within its own jurisdiction.

In the event of an emergency:

1. Evaluate the impact the emergency on your activity/operation and take appropriate action.
2. Dial 911, to notify local agency support such as law enforcement or fire services.
3. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
4. If safe to do so, notify key Klamath-Trinity Instructional Site administrators and personnel.
5. Do not leave site, unless it is necessary to preserve life and/or has been deemed safe by the person in command.
6. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.

## Student Support Services

The following online resources are available to support your success as a student:

- [CR-Online](#) (Comprehensive information for online students)
- [Library Articles & Databases](#)
- [Canvas help and tutorials](#)
- [Online Student Handbook](#)

[Counseling and Advising](#) offers academic support and includes academic advising and educational planning

Learning Resource Center includes the following resources for students

- [Academic Support Center](#) for instructional support, tutoring, learning resources, and proctored exams.
- [Library Services](#) to promote information literacy and provide organized information resources.
- Multicultural & Diversity Center [waiting for hyperlink and Mission]
- Math Lab & Drop-in Writing Center

Special programs are also available for eligible students include

- [Extended Opportunity Programs & Services \(EOPS\)](#) provides financial assistance, support and encouragement for eligible income disadvantaged students at all CR locations.
- The TRiO Student Success Program provides eligible students with a variety of services including trips to 4-year universities, career assessments, and peer mentoring. Students can apply for the program in [Eureka](#) or in [Del Norte](#)
- The [Veteran's Resource Center](#) supports and facilitates academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources.
- Klamath-Trinity students can contact the CR KT Office for specific information about student support services at 530-625-4821
- The [Honors Program](#) helps students succeed in transferring to a competitive four-year school.

# Final Considerations

To ensure that we can all share in a positive learning environment, it is important that we all have proper expectations for how we'll work together, and it is important that we are all held to those expectations.

## **What you, the student, should expect from me, the professor:**

You should expect me to begin and end class on time every day.

You should expect me to always be well-prepared to teach the day's topic.

You should expect me to be present and able to assist you during all office hours.

You should expect me to assign homework (almost) every class period.

You should expect me to announce all tests one week prior to the test.

You should expect me to grade and return all homework and tests in a timely manner.

You should expect me to have respect for all of your questions and answers (that are course-related).

## **What I, the professor, will expect from you, the student:**

I expect you to plan to attend every day of the course.

I expect you to arrive in class on time.

I expect you to contact me before any missed classes to ensure you don't miss out on homework/quizzes.

I expect you to complete all homework assignments by the given deadline.

I expect you to seek help if you struggle with the homework.

I expect you to need to seek help; experiencing the struggle is part of the essence of education.

I expect you to participate in class by verbalizing questions and answers relating to class discussion.

I expect you to interact in a positive manner with other students in the class.

I expect you to have respect for my teaching process by keeping classroom distractions to a minimum.

I expect you to have respect for your fellow students by not engaging in side conversations that make it difficult for surrounding students (and myself!) to focus.

I expect you to mute and put away cell phones for the entire duration of every class.

I expect you to have respect for me and my teaching style, and for any disagreements about that to be discussed in a professional and constructive manner in a private setting.

Any student who fails to meet any of the last 5 student expectations may be removed from the course.

### Some incorrect expectations:

Some students believe that because I do not take daily attendance that attendance is optional. As each part of the course builds on previous parts, missing a lot of class will prevent you from understanding future material. This issue is compounded by the fact that this course will increase in difficulty as the semester progresses.

Some students believe that they are placing some undue burden on me by asking for extra help. Helping you learn is literally 100% of my job. What is a burden to me is lying awake at night wondering why the students who just failed the last test haven't come to see me to make an improvement plan for the next chapter. Don't make me lose sleep - just have me help you! It's my job!

Some students believe that because this is community college, expectations will be lower than if you were to take this course at, for example, Humboldt State University. Instead, you should understand that the operative word here is "college", and that I hold students to the exact same level of expectation here as I've held students to when I've taught this course in a state university setting. The learning outcomes and course content for this course are mandated by the state and are therefore identical for all offerings of this course no matter where you go in the state of California, so you should not expect any different level of expectation here than anywhere else you might take this course; the math is all the same.

Some students believe that they can "wing it" at the beginning of the semester, and worry about their grade closer to the end of the semester. It is very rare that a student performs better on the harder material at the end of the course than they did on the easier material at the beginning of the course. Passing any class is a full-semester process, and should be treated as such. If you are performing poorly on homework and tests, don't wait until the second half of the semester to do something about it. Students are expected to be proactive and to self-advocate to obtain the resources necessary for their success.

Some students believe that they have the right to schedule the course as they see fit. While I consider myself a pretty friendly and flexible guy, I am quite rigid when it comes to tests and the final exam going exactly according to schedule for all students. Do not miss tests. For any reason. Period. Students who no-show a test (meaning didn't attend and didn't communicate about the lack of attendance beforehand) will have three (3) school days to provide proof of an extreme circumstance to me, after which the test grade will be an irreplaceable zero. For example, if your car breaks down on the way to campus to take a test, the first thing you need to do is email me to ensure that you've communicated your situation to me BEFORE the test occurs. Showing up to class the day after the test and telling me "I couldn't make it, I got a flat tire" will result in an irreplaceable zero for the test, as this does not constitute extreme and documented circumstances, and was not communicated to me before the test occurred. If you have a very legitimate reason to miss a test but fail to communicate the proof of your circumstance to me within three school days, you will have missed your make-up test opportunity, regardless of the legitimacy of your lack of attendance. Life will happen, but if you stay in communication with me about it, everything will be fine.