

## Syllabus for College Trigonometry, Math 25 – Del Norte Education Center

<b>Semester &amp; Year</b>	Spring 2019	
<b>Course ID and Section #</b>	MATH-25-D6313	
<b>Instructor's Name</b>	Holland Heese	
<b>Day/Time</b>	TThF 8:45-10 am	
<b>Location</b>	DN 29	
<b>Number of Credits/Units</b>	4	
<b>Contact Information</b>	<i>Office location</i>	Online
	<i>Office hours</i>	TTh 5:30-6 pm, Th 10-11 am
	<i>Phone number</i>	TBA
	<i>Email address</i>	holland-heese@redwoods.edu
<b>Textbook Information</b>	<i>Title &amp; Edition</i>	College Trigonometry
	<i>Author</i>	Carl Stitz and Jeff Zeager
	<i>ISBN</i>	Text is available at: <a href="http://www.stitz-zeager.com">http://www.stitz-zeager.com</a>
<p><b>Course Description</b>            As stated in CR's catalog:            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.  <b>Note:</b> Graphing calculator required, TI-83 or 84 recommended.  <b>Prerequisite:</b> MATH-120 or MATH-194 with a grade of "C" or better (or equivalent), or appropriate score on the math placement exam.</p>		
<p><b>Student Learning Outcomes</b></p> <ol style="list-style-type: none"> <li>1. Analyze and solve problems involving trigonometric functions or analytic geometry.</li> <li>2. Apply the mathematics of trigonometric functions and analytic geometry to real-world problems and applications.</li> <li>3. Use graphing technology to visualize trigonometric and polar curves, explore mathematical concepts, and verify results.</li> <li>4. Write solutions to mathematical exercises in trigonometry and analytic geometry using sound mathematical reasoning with appropriate use of numerical, graphical, and symbolic representations.</li> </ol>		
<p><b>Special Accommodations</b>            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 <a href="#">Disabled Students Programs and Services</a>. Students may make requests for alternative media by contacting DSPP at 707-465-2352.</p>		
<p><b>Academic Support</b>            Academic support is available at <a href="#">Counseling and Advising</a> and includes academic advising and educational planning, <a href="#">Academic Support Center</a> for tutoring and proctored tests, and <a href="#">Extended Opportunity Programs &amp; Services</a>, for eligible students, with advising, assistance, tutoring, and more.</p>		

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### Academic Honesty

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 at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>, and scroll to AP 5500. 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 Classroom 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, he or she 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 at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services> and scroll to AP 5500. 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.

### Emergency Procedures for the Del Norte campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Crescent City campus emergency map is available at (<http://www.redwoods.edu/delnorte/Maps-and-Directions>; scroll down to the [Safety Map](#)). For more information on Public Safety, go to <http://redwoods.edu/publicsafety> in an emergency that requires an evacuation of the building:

- 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.

RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus, you can receive an alert through your personal email, and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the “Register” button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with “[redwoods.edu](http://www.redwoods.edu).” Please contact Public Safety, 707-476-4112, [security@redwoods.edu](mailto:security@redwoods.edu), if you have any questions.

*College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.*

## Course Syllabus

### Math 25 - Spring 2019

Instructor: Holland Heese

College of the Redwoods

[holland-heese@redwoods.edu](mailto:holland-heese@redwoods.edu)

Office: TBA

Office Hours: T 10-11 am, TTh 5:30-6 pm

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	Days	Time	Place
Lecture	TThF	8:45-10	LRC 105

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### 0.1 Course 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.

### 0.2 Student Learning Outcomes

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.

### 0.3 Required Materials

- The textbook: *College Trigonometry* by Carl Stitz and Jeff Zeager. The text is available at <http://www.stitz-zeager.com>.
- A phone/tablet/computer/graphing calculator that has graphing calculator capabilities. The examples in the book use TI-83/84 terminology, and many classes at College of the Redwoods use the TI-83/84.

If you do not want to purchase one, the Math department will rent one to you for \$15. For more information see: <http://www.tamimathcr.com/calculatorrental.html>.

- Graph Paper, and lots of it!

## 0.4 Class Requirements

### 0.4.1 Written Homework Assignments

Each week you will be assigned a problem set from the book to complete by hand. You may turn these in by hand, or by sending me a picture or a scan of your handwritten work through Canvas. I will not grade every problem from the set, but I will grade a random selection of the problems and grade for completeness.

### 0.4.2 Deep Thoughts

Every two weeks you be assigned a much more difficult problem or set of problems that you must complete by hand.

### 0.4.3 Daily Problems

There will also be online problems assigned in Canvas. These will be simple problems to see if you're keeping up with the class. There will only be between 1-5 assigned for each class session (TThF). These will be due that night at 11:59 PM.

### 0.4.4 Exams

We will have two midterms and one cumulative final during the semester. Please see below for the dates and times of the examinations. You should mark these dates in your calendar now, and plan accordingly, as **all exams will be given at the scheduled times below**. This times may be pushed back if we are running behind the schedule. But **ALL** students must take the exams at their scheduled times.

Exams will consist of problems similar to those discussed in lecture, the homework assignments and the discussion work book problems. Exam questions will tend to be routine and designed to check for basic skill mastery. Consequently, **very little to no partial credit will be awarded on exam questions**.

### 0.4.5 Exam Dates

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Exam	Date
Mid-term 1	Friday February 8

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Exam	Date
Mid-term 2	Friday March 15
Final	Tuesday May 8 5:30-7:30

## 0.5 Grades

### 0.5.1 Weighted Grading Components

Components	Percentage
Daily Problems	10%
Deep Thoughts	10%
Written Homework	15%
Mid-terms	40%
Final	25%

### 0.5.2 Grade Breakdown

Grades	Percentage
A	>90%
B	80% to 90%
C	70% to 80%
D	60% to 70%
F	<60%

## 0.6 Very Useful Information

### 0.6.1 Class Expectations

You are expected to arrive on time and to leave when the class is dismissed. If you must miss a day, please check with a classmate to see what you missed. I expect you to be a responsible, respectful, and courteous member of the class.

### 0.6.2 Math Lab and Math 25L

Tutoring service is located in the library in the Learning Resource Center (Eureka), or in DM 15 (Del Norte). Math 25L is a lab course that offers 0.5 to 1.0 units of credit to get assistance with your math skills. If math has been a struggle or you are in search of the A grade, I strongly recommend Math 25L. It has been very successful in helping students achieve their goals in mathematics. I will be having an office hour that is still to be determined each week.

### 0.6.3 Special Accommodations

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 (Eureka), 707-465-2352 (Del Norte), 530-625-4821 Ext 23 (KT).

### 0.6.4 Academic Support

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.

### 0.6.5 Academic Honesty

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rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

### **0.6.7 Emergency Procedures for the Eureka campus:**

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka campus emergency map is available at: (<http://www.redwoods.edu/aboutcr/Eureka-Map>; choose the evacuation map option). For more information on Public Safety, go to <http://www.redwoods.edu/publicsafety>. In an emergency that requires an evacuation of the building:

- 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 Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

### **0.6.8 Emergency Procedures for the Del Norte campus:**

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Crescent City campus emergency map is available at (<http://www.redwoods.edu/delnorte/Maps-and-Directions>; scroll down to the Safety Map). For more information on Public Safety, go to <http://redwoods.edu/publicsafety> in an emergency that requires an evacuation of the building:

- 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.

### **0.6.9 Emergency Procedures for the Klamath Trinity Instructional Site:**

Please review the responsibilities of, and procedures used by, the College of the Redwoods, Klamath- Trinity Instructional Site (KTIS) to communicate to faculty, staff, students and the general public during an emergency. It is the responsibility of College of the Redwoods, Klamath-Trinity Instructional Site (KTIS) to protect life and property from the effects of emergency situations within its own jurisdiction.

1. In the event of an emergency, communication shall be the responsibility of the district employees on scene.

- a. Dial 911, to notify local agency support such as law enforcement or fire services.
  - b. If safe to do so, notify key administrators, departments, and personnel.
  - c. If safe to do so, personnel shall relay threat information, warnings, to ensure the school community is notified.
  - d. Contact Jolene Gates 530-625-4821 to notify of situation.
  - e. Contact Hoopa Tribal Education Administration office 530-625-4413
  - f. Notify Public Safety 707-476-4111.
2. In the event of an emergency, the responsible district employee on scene will:
- a. Follow established procedures for the specific emergency as outlined in the College of the Redwoods Emergency Procedure Booklet.
  - b. Lock all doors and turn off lights if in lockdown due to an active shooter or similar emergency.
  - c. Close all window curtains.
  - d. Get all inside to safe location Kitchen area is best internal location.
  - e. If a police officer or higher official arrives, they will assume command.
  - f. Wait until notice of all is clear before unlocking doors.
  - g. If safe to do so, move to the nearest evacuation point outside building (Pooky's Park), directly behind the Hoopa Tribal Education Building.
  - h. Do not leave site, unless it has been deemed safe by the person in command

### 0.6.10 RAVE

College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the "Register" button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with "redwoods.edu." Please contact Public Safety at 707-476-4112 or [security@redwoods.edu](mailto:security@redwoods.edu) if you have any questions.

### 0.6.11 Caveat

**This syllabus is subject to change at any moment.** For example, if we move faster or slower than anticipated the test dates may change. All changes will be announced in class and posted on the class Canvas page.