

## Course Information

Semester & Year: Fall 2020

Course ID & Section #: MATH-50A-E9963

Instructor's name: Erin Wall

Number of proctored exams: 1

Course units: 4

## Instructor Contact Information

Office location or \*Online: Online

Office hours: Tuesdays 3-4 pm and Fridays 10-11am, others by appointment

Phone number: not checking often, please email instead 707-476-4351

Email address: erin-wall@redwoods.edu

## Catalog Description

A study of limits, continuity, and derivatives of algebraic, transcendental, and trigonometric functions. Applications of the derivative include optimization, related rates, examples from the natural and social sciences, and graphing of functions. The course introduces the integral and the connection between the integral and derivative.

Note: A graphing calculator is required (there's free applications for phones and online that will work)

## Course Student Learning Outcomes

1. Evaluate the limit of a function at a real number and determine if a function is continuous at a real number. Use the limit definition to find the derivative of a function, and interpret the derivative as a rate of change.
2. Use the derivative to find the equation of a tangent line to a function.
3. Use the differentiation formulas to compute derivatives and use differentiation to solve applications such as related rate problems and optimization problems.
4. Graph function using methods of calculus.
5. Evaluate a definite integral as a limit.

## Prerequisites/co-requisites/ recommended preparation

Prerequisites: MATH-25 Trigonometry and MATH-30 College Algebra

## Evaluation & Grading Policy

### Course Grading Scale

Weekly Module Discussions/Activities	15%
Online Homework	15%
Weekly Synthesis	20%
Opportunities (others would call these tests)	35%
Final	15%

### Weekly Module Discussion/Activities

Your presence and participation in the weekly module discussions and activities is essential for making this class successful. Your participation informs me, and you, as to whether you are gaining an understanding of the material. They also provide an opportunity to build your understanding of and use of mathematical thinking and reasoning.

There will generally be two of these in each weekly module. One about content and one about process. You can complete these within Canvas or via a weekly Zoom session which we'll schedule during the first week of classes. Each will be worth 10 points. These cannot be made up and completed after the due date.

### Online Homework

There will be a weekly online homework (using MyOpenMath linked through Canvas) for this class. Each will be worth 20 points. Here you'll be able to practice and get immediate feedback about how you are doing at understanding the mathematical content in each weekly module. I will accept these up to one-week late, however each question submitted correctly after the due date will receive 70% credit.

### Weekly Synthesis

Each week there will be a weekly synthesis. These are like a cross between written homework and a take home quiz. With these you will be asked to connect concepts and mathematical skills, demonstrating you are learning the algebraic techniques and notation you will need as you continue your studies in STEM related fields. Each will be worth 20 points. You may turn them in up to a week late for at most 14 points.

### Opportunities and Final

There will be 3 Opportunities during the semester. See the "Tentative Schedule" below for when these are tentatively scheduled. Make-ups are given at my discretion. The earlier you contact me with regards to the potential or actual missing of an Opportunity increases your chances of being granted a make-up or being able to make other arrangements to take the Opportunity. Opportunity #2 will be proctored. We will talk about proctoring options as that opportunity approaches. Once I return a graded Opportunity to the class no make-ups will be granted.

If you miss an Opportunity and are not able to make it up, or do poorly on one of these, your percentage on the Final will replace that Opportunity's score. ***Your final will be given during the week of December 13-18<sup>th</sup>.***

Letter Grades will be assigned no stricter than the following:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

### Tentative Schedule

Week 1	Introductions, Section 2.1
Week 2	Sections 2.2 and 2.3
Week 3	Sections 2.4 and Review
Week 4	Opportunity #1 and Section 3.1
Week 5	Section 3.2 and 3.3
Week 6	Section 3.4 and 3.5
Week 7	Section 3.6 and 3.7
Week 8	Section 3.8 and 3.9
Week 9	Review and Opportunity #2 (proctored)
Week 10	Section 4.1 and 4.2
Week 11	Section 4.3, 4.4, 4.5
Week 12	Section 4.6, Review

Week 13	Opportunity #3, Section 4.7
Thanksgiving Week	Extra Credit Section 4.9 – Newton’s Method
Week 14	Section 4.8 and 4.10
Week 15	Section 5.1, 5.2, and 5.3
Week 16	Review & Final

## Accessibility

Students will have access to online course materials that comply with the Americans with Disabilities Act of 1990 (ADA), Section 508 of the Rehabilitation Act of 1973, and College of the Redwoods policies. Students who discover access issues with this class should contact the instructor.

College of the Redwoods is also committed to making reasonable accommodations for qualified students with disabilities. If you have a disability or believe you might benefit from disability-related services and accommodations, please contact your instructor or [Disability Services and Programs for Students](#) (DSPS). 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

During COVID19, approved accommodations for distance education classes will be emailed to the instructor by DSPS. In the case of face to face instruction, please present your written accommodation request to your instructor at least one week before the first test so that necessary arrangements can be made. Last-minute arrangements or post-test adjustments cannot usually be accommodated.

## Support for online learners during COVID-19

In response to COVID-19, College of the Redwoods moved the majority of its courses online to protect health and safety. As the faculty and students adjust to this change, clear communication about student needs will help everyone be successful. Please let me know about any specific challenges or technology limitations that might affect your participation in class. I want every student to thrive.

## Admissions deadlines & enrollment policies

Fall 2020 Dates

- *Classes begin: 8/22/20*
- *Last day to add a class: 8/28/20*
- *Last day to drop without a W and receive a refund: 9/4/20*
- *Labor Day (all-college holiday): 9/7/20*
- *Census date: 9/8/20 or 20% into class duration*
- *Last day to petition to file P/NP option: 9/18/20*
- *Last day to petition to graduate or apply for certificate: 10/29/20*
- *Last day for student-initiated W (no refund): 10/30/20*
- *Last day for faculty initiated W (no refund): 10/30/20*
- *Veteran’s Day (all-college holiday): 11/11/20*
- *Fall break (no classes): 11/23/20-11/28/20*
- *Thanksgiving (all-college holiday): 11/25/20-11/27/20*
- *Final examinations: 12/12/20-12/18/20*
- *Semester ends: 12/18/20*
- *Grades available for transcript release: approximately 1/8/21*

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](#).

## **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 inclusive and respectful.

## **Setting Your Preferred Name in Canvas**

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](#).

## **Canvas Information**

If using Canvas, include navigation instructions, tech support information, what Canvas is used for, and your expectation for how regularly students should check Canvas for your class.

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>

Canvas online orientation workshop: <https://www.redwoods.edu/online/Home/Student-Resources/Canvas-Resources>

## **Community College Student Health and Wellness**

Resources, tools, and trainings regarding health, mental health, wellness, basic needs and more designed for California community college students, faculty and staff are available on the California Community Colleges [Health & Wellness website](#).

[Wellness Central](#) is a free online health and wellness resource that is available 24/7 in your space at your pace.

Students seeking to request a counseling appointment for academic advising or general counseling can email [counseling@redwoods.edu](mailto:counseling@redwoods.edu).

## 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.

## 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](#) offers assistance to students in need of professional counseling services such as crisis counseling.

Learning Resource Center includes the following resources for students

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