

Syllabus for Math 194, Intermediate Algebra for Social Sciences and Business – Del Norte Education Center		
Semester & Year	Spring 2018	
Course ID and Section #	Math 194 D5231	
Instructor's Name	Levi Gill	
Day/Time	MW 12:30PM-2:35PM	
Location	DM 15	
Number of Credits/Units	4	
Contact Information	<i>Office location</i>	E2
	<i>Office hours</i>	MW 10:30-11:30
	<i>Phone number</i>	707-465-2361
	<i>Email address</i>	levi-gill@redwoods.edu
Textbook Information	<i>Title & Edition</i>	<i>Intermediate Algebra: Functions & Authentic Applications, Fourth Edition</i>
	<i>Author</i>	Jay Lehmann
	<i>ISBN</i>	032162095X
Course Description		
<p>A course in which functions are investigated graphically, numerically, symbolically, and verbally in real-world settings with an emphasis on applications to social sciences and business. Linear, quadratic, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored as models of real-life applications. Data analysis and technology are integrated into all aspects of the course. This intermediate algebra course is appropriate for career and technical students.</p>		
Student Learning Outcomes		
<ol style="list-style-type: none"> 1. Apply mathematics to real-world problems and applications with an emphasis on social sciences and business. 2. Investigate the output from a graphing calculator to explore mathematical concepts and to verify work. 3. Explain the concept of function, identify the characteristics of different classes of functions, and use functions to solve problems related to social sciences and business. 4. Design and effectively communicate a process for solving complex real-world problems in business and social sciences. 		
Special Accommodations		

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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 707-465-2352.

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.

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 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>. 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; 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 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>.

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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:

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- 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.” Please contact Public Safety, 707-476-4112, security@redwoods.edu, if you have any questions.

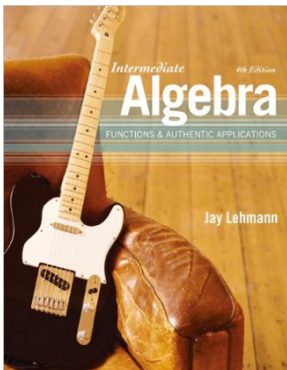
College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Things You’ll Need

Textbook

Intermediate Algebra: Functions & Authentic Applications, Fourth Edition By Jay Lehmann

ISBN: 032162095X



Calculator

You will need a TI-83 or TI-84 calculator. We provide a rental system on campus, \$15/semester.

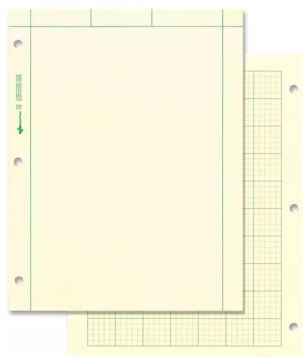


Graphing Paper

You'll want nice graphing paper because Trigonometry uses graphing extensively. It's best to use graphing paper that uses both thin and thick lines like the following:



My favorite paper is engineering paper because it's easy to both write and graph on it simultaneously. It looks like this:



Other stuff

- Ruler, preferably a transparent one.
- Pencils, or erasable pens
- Colored pencils or pens (you just need a couple of different colors)

What You'll Need To Do

Homework (50% of the grade)

Problems: You are at the level where the problems are longer and include varied steps. This means you aren't just going to write down math but work through a problem using words, graphs, and symbols. Doing this well is what it means for your work to be organized.

Your homework needs to be neat. This means there's a clear flow, you've erased your mistakes, you've used a ruler to draw graphs, etc.

Reading: You are also at the level it is important that you read your textbook with understanding. We'll work on how to understand the textbook in class, but this also requires that you read the chapters yourself. Each homework will include reading that you will report on.

Assigning Problems: I will not be assigning problems. *We* will be assigning problems as a class. This means that we need to look through the homework and decide what problems we would have to do in order to understand the material.

HW Scoring

All problems completed	+1
Work is neat and organized	+2
Reading is completed	<u>+2</u>
	5 points total

Quizzes (25% of the grade)

You will be given short quizzes on Tuesdays from questions taken directly from the homework assigned from the previous week. To be prepared for these quizzes be sure to have completed the homework on time. The point of these quizzes is to gauge whether or not you're on track with the material.

Chapter Exams (25% of the grade)

We will have an exam after every chapter, which will result in five exams. Depending on what's going on they may be take home. The point of the exams is to gauge your retention and mastery of the concepts. The exams will include both problems and memory work.

There will be no exam or quiz make-ups unless by prior agreement with the instructor.

Grading

A	$94 \leq \textit{Grade}$
A-	$90 \leq \textit{Grade} < 94$
B+	$87 \leq \textit{Grade} < 90$
B	$82 < \textit{Grade} < 87$
B-	$80 \leq \textit{Grade} \leq 82$
C+	$78 \leq \textit{Grade} < 80$
C	$70 \leq \textit{Grade} < 78$
D	$60 \leq \textit{Grade} < 70$
F	$\textit{Grade} < 60$

Automatic Failing

Because it is important that you do well in each aspect of the class in order to be successful in the next course, I have implemented the following “automatic fails.”

If the average of any one category (Homework, Quizzes, Exams) falls below 70% then you automatically get a D.

If the average of any two categories falls below 70%, then you automatically get an F.

This may seem harsh at first, but this allows me to distribute the weight of the categories evenly so that homework is just as important as your exams, instead of making the exams the bulk of the grade.

Things You’ll Need To Know

Appealing a Grade: If you believe you have received the wrong (or an unfair) grade for an assignment, please come talk! I am completely open to discussing that with you.

Attendance: Daily attendance is required to be successful for this class. Missing three or more classes without instructor approval will most likely result in being withdrawn from the course, and you will receive a W on your transcripts. If you miss a day, please check with a classmate to see what you missed. I also post lecture slides on Canvas. You are responsible for knowing the class material.

If you miss more than four classes, you may be dropped by the instructor up through the 10th week.

Class Rules: As a general rule *be respectful to your classmates and help provide a healthy environment for learning.*

Please do not talk unnecessarily during class, arrive on time and leave when class is dismissed. When you attend, give your attention to the material or activities we are working on. Please do not use class time to work on other projects.