

## Syllabus for Math 380: Elementary Algebra – Eureka Campus

<b>Semester &amp; Year</b>	Spring 2017	
<b>Course ID and Section #</b>	Math 380 E1130	
<b>Instructor's Name</b>	W Levi Gill	
<b>Day/Time</b>	MTWTh 1:15-2:30	
<b>Location</b>	SC 206	
<b>Number of Credits/Units</b>	5	
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<b>Textbook Information</b>	<i>Title &amp; Edition</i>	Elementary Algebra Textbook, 2 <sup>nd</sup> edition
	<i>Author</i>	Department of Mathematics
	<i>ISBN</i>	

### Course Description

A study of the real number system, first-degree linear equations and inequalities, polynomial expressions and equations, factoring, radicals, quadratic equations and the quadratic formula, interpretation of graphs, and problem solving techniques. Small group work and exploratory activities (including the use of the graphing calculator) are involved in this course.

### Student Learning Outcomes

1. Use properties of real numbers to solve linear equations, inequalities, and systems of linear equations.
2. Solve non-linear equations by factoring.
3. Draw and interpret graphs and solve problems graphically.

### 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.

### 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/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

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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.

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### **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.)

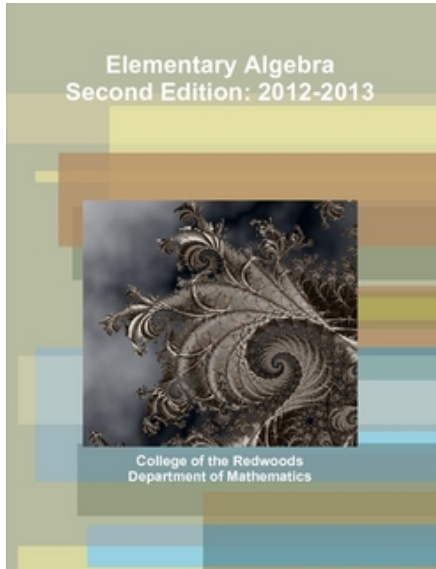
**RAVE** – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> 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.

*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.*

# Tools You Need for This Course

## Textbook

**Elementary Algebra, Second Edition:** 2012-2013, by College of the Redwoods Department of Mathematics



### Available:

- Online at <http://mathrev.redwoods.edu/ElemAlgText/>
- on a CD (ask your instructor)
- bound paperback version (from lulu.com or at the CR bookstore)
- on reserve in the library (for use while you are in the library)

### Recommended Supplement:

**Student Solutions Manual** (the one that goes with the text)

## Calculator

You are required to have a graphing calculator for this course. I recommend a TI-83 or TI-84. I will be using a TI-83 in class. The Math Department at College of the Redwoods has **rental calculators** for \$15, but there are only a limited number available. You must come on campus to rent them.

## Graph Paper (and other supplies)

You will need graphing paper by the third or fourth week of the class. You will need it both for in-class work and for your homework. Many people find it helpful to get graph paper with heavier lines on every fifth line to make counting easier. Additionally, you will need some type of straight edge (e.g. ruler).

## Computer and Computer Skills

You will need access to a reasonably current computer for the course. Although you can use a mobile phone or tablet to do most of the work on Canvas, there will be some elements that most of those devices cannot do.

## Online Access via Canvas

This class will use Canvas extensively. You will want to familiarize yourself with that web environment. You are responsible for having access to a reliable high-speed broadband connection. If your internet connection dies and you are unable to submit an assignment, your work will be considered late (but see the late work forgiveness policy below).

## Technical Support

Before contacting Technical Support please visit the [Online Support Page](#). For access issues with Canvas, Web Advisor or your mycr.redwoods.edu Email, contact Technical Support at [its@redwoods.edu](mailto:its@redwoods.edu) or call 707-476-4160 or 800-641-0400 ext. 4160 between 8:00 A.M. and 4:00 P.M., Monday through Friday.

## STUDENT COMMUNICATION

Because online communication is crucial in this classes, it is important that you consider doing the following:

- 1) Set up the Canvas webmail to forward all emails to your personal email. This works best if the email account you use is the your primary email in your Canvas account.
- 2) Set up important class Notifications to be sent to your email.  
(see here: <https://community.canvaslms.com/docs/DOC-1286>)
- 3) Download the mobile Canvas app from your mobile app provider (iTunes, Google Play, etc).

## What to Expect to do in this Course

Grade	Exams	Reference Book	Homework	In-Class Work
For A (4pts)	At least 85% average.	Reference Book has <u>all</u> topics covered with corresponding table of contents.	At least 95% of homework completed satisfactorily.	At least 95% completed satisfactorily.
For B (3pts)	At least 75% average.	Ref. Book covers majority of course content with corresponding table of contents.	At least 90% of homework completed satisfactorily.	At least 90% completed satisfactorily.
For C (2pts)	At least 65% average.	Reference Book has at least half of topics covered.	At least 85% of homework completed satisfactorily.	At least 85% completed satisfactorily.
For D (see below)	At least 60% average.	Reference book has some of the topics covered.	At least 80% of homework completed satisfactorily	At least 80% complete satisfactorily.

Important!!

- If **one** of the above categories falls below a C, you will receive a D in the class. If **two** of the above categories falls below a C, you will receive an F in the class.
- If you miss **two weeks** of work without instructor approval, you will be dropped from the course.

## Homework

A homework will be assigned for each section covered. Homework assigned on a Monday or Tuesday will be due on Thursday. Homework assigned on a Wednesday or Thursday will be due the following Monday.

The homework will be checked to see that you have appropriately completed it. I will not be grading every problem. So it is up to you to check your answers in the back of the book, and to seek help when you are stuck.

## Late Work and Late Passes

Because math is always building concept upon concept, you do not want to fall behind. However, due to the unpredictability of life, you are granted **5 late passes** that you can use at any time during the semester. I will not automatically assume that if something is late that you want to use a pass on it, so you need to email me to activate a pass.

If the late pass is used for a homework, you will be allowed to extend the submission to the next submission day (Monday or Thursday).

If the late pass is used for a quiz, you will be allowed an additional 48 hours to submit the quiz.

You may not use the pass for an exam.

## Exams

There will be approximately three exams and one cumulative final exam. There will be at least one week notice for each exam. The final exam is due

## Extra Credit

If you read the book “Zero: The Biography of a Dangerous Idea” by Charles Seife and write a report on the book, I will raise one grade category by one grade. This cannot be used if the category is an F.

The book is 285 pages, so if you’re interested it’s better to start sooner than later.



## Attendance

Your active and engaged participation is required for all assignments and discussion. There will be in class assignments that you can only complete if you attend the class.

### **Time expectations for the course**

You should expect to spend a significant amount of time doing your homework. Getting “stuck” is part of the learning process, so you need to plan on that happening. I recommend making study groups and working together in the Math Lab.

### **Class Rules**

Be respectful to your classmates and help provide a healthy environment for learning. Be polite in your interactions, timely in your responses. I expressly prohibit online aggression, harassment, bullying, etc., and treat such as a violation of the Student Code of Conduct. This includes correspondence through private email.

## **Class Resources**

### **Math Lab**

The mathematics department has a lab in the Library. There is both a for-credit and non-credit option. There will always be a math instructor and tutors available during the hours of operations. This is one of the best resources available to you!

### **ASC (Academic Support Center) Tutoring**

Free one-on-one tutoring is available through the ASC (located in the same room as the Math Lab in the Library). It is by appointment, and it get’s booked up fast. You can sign up one week in advance. If you are falling behind, or are having a particular hard time with a concept, you should consider this option.

### **EPIC**

This course is offering a voluntary Supplemental Instruction program. There will be a peer leader joining our class who has already successfully completed this course. S/he will facilitate weekly study sessions in order to discuss group strategies and learning techniques that will be invaluable for this course. The goal of this program is to help you understand *what to learn* and *how to learn*.

### **Student Resources (student services links)**

- Academic Support and testing center <http://www.redwoods.edu/Eureka/ASC/index.asp>
- Counseling Services: <http://www.redwoods.edu/eureka/counseling/services.asp>
- Distance Education: <http://www.redwoods.edu/departments/distance/>
- DSPS (Disabled Students Programs and Services): <http://www.redwoods.edu/district/dsps/>
- Library (including online databases): <http://www.redwoods.edu/eureka/library/>
- Orientation for online students: <http://www.redwoods.edu/orientation/>
- Student help and tutorials for using Canvas: <http://guides.instructure.com/m/8470>

- Support for online students  
<http://www.redwoods.edu/departments/distance/StudentResources.asp>
- Veterans' Resource Center: <http://www.redwoods.edu/vets/>
- Math Lab: <http://www.redwoods.edu/departments/Mathematics/mathlab.asp>

### Accessibility

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodations document to me as promptly as possible so that necessary arrangements can be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please contact [Disabled Students Programs and Services](#).

## Feedback from the Instructor

What	Response Time
Email (on Canvas)	I will respond within 24 hours to emails Monday through Friday. I will respond within 48 hours on weekends. Emails sent after 7pm will be answered the next day at the earliest
Homework/Quizzes	Assignments are graded within 48 hours of the close of the week.
Exams	Exams will be graded within 14 days from the <u>moment I receive the last exam</u> from the proctors.

## Course Schedule

### Census Week

Student who have not actively participated in class by the second week will be dropped on January 30. Non-participation includes missing classes and/or not doing assignments.

### Student-initiated withdrawal

If you withdraw by Jan 27, you will be dropped without a 'W' and receive a refund.

The last date to remove yourself from the course and not receive a letter grade is **3/31**. You will receive a 'W' on your transcript to indicate your withdrawal.

If you are considering withdrawing from the class, please contact me first!

I want to see you be successful, and this may or may not include dropping the course.

### **Instructor-initiated withdrawal**

Administrative procedure (AP) 5075 allows **instructors to withdraw students** from class for non-participation through the **10th** (March 31) week of class. Non-participation for two weeks of assignments may result in involuntary withdrawal. No course withdrawal is allowed after the 10th week of class.

### **Contesting a Grade**

Students have one week from the time an assignment has been graded to contest the grade with the instructor; after that time the grade will stand. If for any reason you are not sure why you earned the grade you received, or if you unclear on the grading policies, please do not hesitate to contact me immediately. **Keep a copy of everything I return.**

**Incomplete Grade**— The professor makes the decision on whether to grant an incomplete opportunity based on individual student information. Incompletes will be considered only in *extenuating* circumstances and with the approval of the Dean. Incompletes are not an option to repair a low grade earned throughout the semester. A student must have already demonstrated significant and successful course progression to be considered for an incomplete.

## **Topics**

The following is the big picture of our course. The specific due dates for assignments and grades will be maintained on the weekly module on Canvas. This schedule will probably change, and you will be notified accordingly.

### **Week 1 (Jan 16-22) "Simplifying Expressions"**

Martin Luther King Jr Holiday, Syllabus & 1.1, 1.2, 1.3

### **Week 2 (Jan 23-29) "Solving Equations"**

1.4, 1.5, 2.1, No Class

### **Week 3 (Jan 30-Feb 5) "Solving Equations"**

2.2, 2.3, 2.4, 2.6

### **Week 4 (Feb 6-12) "Graphing Equations"**

3.1, 3.2, 3.3, 3.4, 3.5

### **Week 5 (Feb 13-19) "Graphing Equations"**



3.6, Review for Exam 1, Exam 1, President's Weekend (no class)

**Week 6 (Feb 20-26) "Systems of Multiple Equations"**

President's Weekend (no class), 4.1, 4.2, 4.3

**Week 7 (Feb 27 – March 5) "Simplifying Non-Linear Expressions"**

4.4, 5.1, 5.2, 5.3, 5.4

**Week 8 (March 6 – 12) "Simplifying Non-Linear Expressions"**

5.5, 5.6, 5.7, Review for Exam 2

**Spring Break!! (March 12-19)**

**Week 9 (March 20-26) "Solving Non-Linear Equations"**

Exam 2, 6.1, 6.2, 6.3

**Week 10 (March 27 – April 2) "Solving Non-Linear Equations"**

6.4, 6.5, 6.6, 6.7

**Week 11 (Apr 3-9) "Solving Non-Linear Equations"**

8.1, 8.2, 8.3, 8.4

**Week 12 (Apr 10-16) "Rational Expressions and Equations"**

Review for Exam 3, Review for Exam 3, Exam 3, 7.1

**Week 13 (Apr 17-23) "Rational Expressions and Equations"**

7.2, 7.3, 7.4, 7.5

**Week 14 (Apr 24-30)**

Catch Up Week

**Week 15 (May 1-5)**

Catch Up Week & Review for Final Exam

**Week 16 (Finals Week: You only attend the day of the Exam)**

Our final is on Wednesday, May 10<sup>th</sup>, from 1:00-3:00pm.

*Due to the unpredictability of life, course flexibility may be required. I reserve the right to make appropriate changes at any moment. These changes will be announced in class. If you are absent, it is your responsibility to check with other students in the class for the updates.*