Syllabus for Elementary Algebra, Math 380 – Eureka Campus	
Semester & Year	Fall 2016
Course ID and Section #	MATH-380-E0349
Instructor's Name	Holland Heese
Day/Time	MTWTH 10:05-11:20 am
Location	SC206
Number of Credits/Units	5

Contact Information	*Office location*	
	Office hours	By appointment
	Phone number	TBA
	Email address	holland-heese@redwoods.edu
Textbook Information	*Title & Edition*	<mark>Elementary Algebra</mark>
	Author	<mark>College of the Redwoods Mathematics Department</mark>
	ISBN	Text is available at: http://www.redwoods.edu/Departments/Mathematics/ElemAlgText/.

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.

4. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

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 <u>Counseling and Advising</u> and includes academic advising and educational planning, <u>Academic Support Center</u> for tutoring and proctored tests, and <u>Extended Opportunity Programs & Services</u>, 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 Redwoods website at: <u>http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services</u>, 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: <u>http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services</u> 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 <u>Eureka </u>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: (<u>http://www.redwoods.edu/aboutcr/Eureka-Map</u>; choose the evacuation map option). For more information on Public Safety, go to <u>http://www.redwoods.edu/publicsafety</u>. 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 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 380 - Fall 2016

Instructor: Holland Heese
College of the Redwoods
holland-heese@redwoods.edu
Office:
Office Hours:

	Days	Time	Place	CRN
Lecture	MTWTh	10:05-11:20	SC 206	040351

0.1 Course Objective

This algebra class is the second in our four part algebra series. It has a Prealgebra prerequisite (Math 376) and is designed to prepare you for Intermediate Algebra or any of the Associates Degree level mathematics courses. Our primary goal will be to learn more of the language called algebra. Also, we will look at how and where algebra is used in the real world. By the end of this mathematics class you will have a higher level of confidence in your ability to solve problems. Mathematics is a powerful language that transcends culture and time. It is one of the two universal languages, music being the other. So, it is my sincere hope to get you excited about learning mathematics!

0.2 Required Materials

- The textbook: *Elementary Algebra* by the College of the Redwoods Mathematics Department. The text is available at `http://mathrev.redwoods.edu/ElemAlgText`, you may also purchase a paper copy at the bookstore.

- A phone/tablet/graphing calculator that has graphing calculator capabilities. The examples in the book use TI-83/84 terminology, and later 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`.

Also on Android phones, the app Andie Graph `https://play.google.com/store/apps/details?id=net.supware.tipro&hl=en` will emulate a TI-83. Sadly, there is no exact equivalent on iOS. If you choose to use your phone or tablet as a calculator you will only be allowed to use a calculator app during class and tests. If you are caught using a different app during tests you will receive a zero for that test.

I can provide support for users of TI-83/84 and HP 48/49/50 calculators. I can not provide support for any other calculators.

- Graph Paper, and lots of it!

0.3 Class Requirements

0.3.1 In Class Work (Lecture)

On a typical day, I will lead a discussion/lecture on a certain topic or problem in Algebra. Next, the class will break up into several groups and work on a worksheet related to the work for the day. I will be monitoring for participation in these groups. If you are a more solitary person, you will be able to work on these alone.

On other days, I will present the class with a difficult problem that class can work on together to solve by the end of class. I will give hints, but I will not solve the problem for you. Your participation will also be measured in these problems.

0.3.2 Online Homework Assignments

Each week you will be assigned 4 homework problem sets using the myopenmath system found at `http://myopenmath.com`. These assignments will be due at 11:59 pm, on Monday, Tuesday, Wednesday, and Thursday. Your lowest 4 assignments will be dropped before I calculate your final course grade. The Course ID is: 11572 and the Enrollment Key is CR.

0.3.3 Written Homework Assignments

In addition to the online problems, there will also be one written homework assignment per week. These will include assigned problems from the book, and/or special assignments posted to Canvas. This is to check and see your work and if you are understanding the process of solving the problems. These will be due on Thursday, and will be handed back to you on Monday.

0.3.4 Exams

We will have six in class mid-term exams, one take home mid-term exam 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.**

0.3.5 Exam Dates

Exam	Date
Mid-term 1	Wednesday September 14
Mid-term 2	Wednesday September 28
Mid-term 3	Wednesday October 12
Mid-term 4	Monday October 24
Mid-term 5	Wednesday November 2
Mid-term 6	Monday November 21
Mid-term 7	Wednesday December 13 (Take Home)
Final	Wednesday December 13 10:45-12:45 am

0.4 Grades

0.4.1 Weighted Grading Components

Components	Percentage
In Class Work (Lecture)	20%
Online Homework	15%
Written Homework	15%
Midterms	35%
Final	15%

0.4.2 Grade Breakdown

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

0.5 Very Useful Information

0.5.1 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. If you find that you can not abide by these rules, then you are in the wrong class and I will ask you to transfer to another class. You are more than welcome to come to my office hours at HSU in BSS 312 on TTh 3-4 pm and F 9-11 am. Unfortunately I am not able to offer office hours at the CR campus, but I will be in the Math Lab (see below).

0.5.2 Math Lab and Math 380L

Tutoring service is located in the library in the Learning Resource Center (LRC). Math 380L 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 380L. It has been very successful in helping students achieve their goals in mathematics. I am available for help in the Math Lab on Monday from 11:30 to 12:00 and Tuesday 11:30 to 12:30.

0.5.3 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 Moodle page.