Syllabus for College Algebra, Math 30 – Eureka Campus		
Semester & Year	Spring 2017	
Course ID and Section #	MATH-30-E1115	
Instructor's Name	Holland Heese	
Day/Time	TTh 6:05-8:10 pm	
Location	SC210	
Number of Credits/Units	4	
Contact Information	*Office location*	SC 210
	Office hours	T 5-6 pm
	Phone number	TBA
	Email address	holland-heese@redwoods.edu
Textbook Information	*Title & Edition*	College Algebra
	Author	Carl Stitz and Jeff Zeager
	ISBN	Text is available at: http://www.stitz-zeager.com

Course Description

A course covering first-degree and absolute value equations and inequalities; composite and inverse functions; polynomial, rational, exponential, and logarithmic functions; systems of equations; matrices; sequences and series; mathematical induction; binomial expansion theorem; and complex numbers.

Graphing calculator required, TI-83 or 84 recommended.

Student Learning Outcomes

1. Evaluate and interpret a difference quotient symbolically, numerically, and graphically.
2. Find and interpret the real and complex roots of a polynomial symbolically, numerically, and graphically.
3. Produce an accurate graph of a rational function by hand, and identify all salient features.
4. Demonstrate and interpret the inverse relationship between exponential and logarithmic functions.
5. Solve problems and applications involving exponential and logarithmic functions.
6. Solve 3x3 linear systems of equations using matrices and elimination, and interpret the nature of the solution set geometrically.
7. Recognize and solve problems involving arithmetic and geometric sequences and series.

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 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 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 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 30 - Spring 2017

Instructor: Holland Heese
College of the Redwoods
holland-heese@redwoods.edu
Office: SC 210
Office Hours: T 5 PM - 6 PM

	Days	Time	Place
Lecture	TTh	6:05-8:10	SC 210

0.1 Course Objective

This algebra class is the fourth in our four part algebra series. It has an Intermediate Algebra prerequisite (Math 120) and is designed to prepare you for Calculus. Our primary goal will be to analyze familiar algebraic structures more rigriously and learn how mathematicans construct arguments. 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: *College Algebra* 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`.

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.

- Graph Paper, and lots of it!

0.3 Class Requirements

0.3.1 Online Homework Assignments

Each week you will be assigned 2 homework problem sets using the myopenmath system found at `http://myopenmath.com`. These assignments will be due at 5:59 pm on Tuesday. Your lowest 2 assignments will be dropped before I calculate your final course grade. The Course ID is: 16922 and the Enrollment Key is CR.

0.3.2 Written Homework Assignments

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

0.3.3 Quizes

There will be nine quizes during the semester (one per chapter). These quizes will last 25 minutes and most times will be given in the middle of the class.

0.3.4 Exams

We will have one midterm 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	Thursday March 9
Final	Tuesday May 9 5:30-7:30

0.4 Grades

0.4.1 Weighted Grading Components

Components	Percentage
Quizes	15%
Online Homework	15%
Written Homework	20%
Mid-term	25%
Final	25%

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 M 3-4 pm and F 9-11 am.

0.5.2 Math Lab and Math 30L

Tutoring service is located in the library in the Learning Resource Center (LRC). Math 30L 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 30L. 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.

0.5.3 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 MyOpenMath page.