Syllabus for Math 380. Elementary Algebra – Eureka Campus

Semester & Year	Spring 2017	
Course ID and Section #	Math 380, E1134	
Instructor's Name	Michael Butler	
Day/Time	MTWTH 8:30-9:45 (E1138) and 10:05-11:20 (E1134)	
Location	SC206	
Number of Credits/Units	5	
Contact Information	*Office location*	SC216D
	Office hours	M 11:25-12:15 SC216D, M 12:30-1:30 in Math Lab, W 11:25-12:30 SC216D, and by appointment
	Phone number	707-476-4234
	Email address	Michael-butler@redwoods.edu
Textbook Information	*Title & Edition*	ELEMENTARY ALGEBRA Text is available at: http://www.redwoods.edu/math/Online-Mathematics-Textbooks/Math-380 For purchasing a paper copy information go to Lulu or CR Bookstore
	Author	College of the Redwoods Mathematics Department.
	ISBN	

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 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.

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!

MATERIALS: You will need to obtain the following for this class:
a) A scientific calculator with a graphing package. The **TI-83+** or **TI-84**are **HIGHLY** recommended. If you are going to buy a new calculator, buy a TI-84
b) Lots of graph paper (cheap stuff will be fine).
c) A ruler or straight edge.
d) A three-ring binder to keep your work in.
e) Lots of PENCILS!
There will be a check of materials on the second Monday of the course. If you do not have the required materials by that date, you will be subject to a faculty withdraw from the class.

HOMEWORK: I will be assigning daily homework. It is expected that you will have it completed by the next class session. I will be collecting the homework at the next class session after it was assigned. **I will not accept any late homework.** If you were not able to complete the assignment, hold on to it and seek help in getting it completed. Once you have completed the assignment, bring it to show me in office hours to have it excused from the grade calculation. You are allowed up to five (5) excused assignments during the semester. The homework is where you get to polish your math skills. It is not an option. **The homework is required!** The students who do well in my mathematics courses are the ones who are consistently on top of their homework. The fundamental idea of a college course is to learn something and the homework is where learning takes place. Part of these homework assignments will include the use of the calculator.
Specifics on how homework is to be presented:

- All homework is to be done in **pencil**.
- Sloppy work will not be accepted. You need to present your work so it is readable. Work in columns!
- Pages need to be stapled.
- Your Name, The Section Number and the Date must appear in the header of each assignment.
- Homework must be done in a vertical format. We will be working on this in class.

The homework assignments are listed on Canvas. It is assumed that you have access to this listing. You may ask questions about the homework in class and you can also earn extra credit homework points by answering the questions of your classmates.

QUIZZES/ACTIVITIES/YOUR-TURNS: We will be trying to get in at least one group activity in per week. We will also have a weekly quiz. We will be doing daily in class assignments that are called Your-Turns that get turned in with the homework. If you miss a group activity, you can make it up for 1/2 credit during office hours. There will be extra credit assignments using that can be used to make up quiz points.

OPPORTUNITIES: I hate the name "exam" or "mid-term" for a major point gathering opportunity. You go to the doctor for an exam and midterms should occur in the middle of the semester. Instead I prefer to call these "Opportunities." That is what they are; an opportunity for you to show off what you have learned. There will be up to 4 Opportunities and they are worth 100 points each. Sample opportunities can be found on the Optimath site and in Canvas.

FINAL: The final is worth 200 points and is multiple choice.

ATTENDANCE: To succeed in a mathematics class you need to attend every class meeting. Attendance is taken via the Your-Turns. If you have to miss class, make prior arrangements with a fellow student to get any notes or materials covered that day. You are responsible for the all material covered even if you don't attend class. **If you miss more than 6 class sessions you may be asked to retake this class.**

Environment of Course: It is expected that everyone involved in this class, teacher and students alike, will act in a manner conducive to providing a comfortable environment for learning, a place where students feel free to ask and answer questions without fear of embarrassment or ridicule. It is important to stay on task. Hence, discussions that do not pertain to the subject at hand should be taken outside of the classroom. It is essential for student success to maintain a good environment in our classroom. If you have any difficulties with the learning environment, please visit me in my office hours or send me an email with your phone number and a time to contact you to discuss them.

GRADE SYSTEM: Your final grade will be determined approximately as follows

Homework	20%
Quizzes/Activities	20%
Opportunities	50%
Final Opportunity	10%

I use the plus/minus system for final grades. The grade break down is as follows.

A	93-100%	C	70-76.9%
A-	90-92.9%	D	60-70.9%
B+	87-89.9%	F	0-59.9%
B	83-86.9%		
B-	80-82.9%		
C+	77-79.9%		

TUTORS 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.

STUDY GROUPS: There is nothing harder (in my opinion) than going through a mathematics class solo. You should start now to form study groups. This class and every math class you take will require two hours of study for every hour lecture. That means you will need to put in a minimum of 10 hours per week outside the classroom. If you do not have that amount of time to schedule to this class, you may want to reconsider taking it. Find someone in the class that you can work with and schedule regular hours during the week when you can get together and study. Meeting in Math 380L is a great place to hold your study group.