Syllabus for Math 30, College Algebra – Eureka Campus

Semester & Year	Spring 2019	
Course ID and Section #	Math 30 E6057	
Instructor's Name	Michael Butler	
Day/Time	MWTH 1:15-2:30	
Location	SC204	
Number of Credits/Units	4	
Contact Information	*Office location*	SC 216D
	Office hours	MWTH 12:00-1:00
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Textbook Information	*Title & Edition*	College Algebra An Investigation of Functions
	Author	David Lippman, Melonie Rasmussen, Jay Abramson
	ISBN	

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Course Description

College level course in algebra for majors in science, technology, engineering, and mathematics: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry

Student Learning Outcomes

1. Analyze and investigate functions and equations both graphically and algebraically to include rational, linear, polynomial, radical, absolute value, exponential, and logarithmic.
2. Solve equations, systems of equations, and inequalities containing rational, linear, polynomial, radical, absolute value, exponential, and logarithmic relations.
3. Apply techniques for finding zeros of polynomials and roots of equations.
4. Apply functions and other algebraic techniques to model real world STEM applications.
5. Define a sequence as a function of the natural numbers and apply appropriate formulas to find sums of finite and infinite 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.

TEXTS: College Algebra An Investigation of Functions
Authors: David Lippman, Melonie Rasmussen, Jay Abramson
The text is open source and can be found for free at the authors web site. It can also be purchased from the book store or online at Lulu

OBJECTIVE: 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. You are allowed to use a phone emulator
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!
f) A graph ruled Composition Book

HOMEWORK: I will be assigning daily homework (posted to Canvas). It is expected that you will have it completed by the next class session and I will be collecting the homework at the next class session after it was assigned. There are three parts to the assignments: Your Turn (we will do these in class), Written Asssignment (these are the ones I grade), and a weekly Online Assignment. You can turn in homework up to two (2) days late buy uploading it into the Assignment link in Canvas. If you were not able to complete the assignment in this window of time then, finish the assignment and bring the completed assignment to office hours. I will excuse the assignment from the grade calculation. You get five (5) excused assignments for the semester, use them wisely. The homework is where you get to polish your math skills. **The homework is required.** The fundamental idea of a college course is to learn something and the homework is where much of the learning takes place.
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.
- 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.

QUIZZES: There will be a weekly online quiz that is a subset of the exercises from the Online Homework. These are "one-and-done" quizzes and so be prepared when you take them.

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 two Opportunities and a Final. They are worth 100 points each.

ATTENDANCE: To succeed in a mathematics class you need to attend every class meeting. 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 4 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. ***If your cell phone rings in class, or you do any form of text messaging during class, you will be required to apologize to your peers for this behavior. The method by which you apologize is to bring cookies to the next class session.***

GRADE SYSTEM: The point system is used in this class which means every point has the same weight. 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 LAB: There is tutoring service available for this class. I highly recommend that you take advantage of it. The service is located in the library in the Learning Resource Center (LRC). Math Lab can be extremely helpful for this class. I recommend signing up a holding your study groups there.

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 Lab is a great place to hold your study group.