Syllabus for Math120 Intermediate Algebra – Eureka Campus

Semester & Year	Fall 2017
Course ID and Section #	MATH-120-E3129
Instructor's Name	Steve Jackson
Day/Time	MTWTH 2:50PM-3:55PM
Location	SC 210
Number of Credits/Units	4 Credits

Contact Information	*Office location*	SC216L
	Office hours	TBA
	Phone number	476-4219
	Email address	Steve-jackson@redwoods.edu
Textbook Information	*Title & Edition*	Intermediate Algebra Parts I and II
	Author	CR Math Department
	ISBN	

Course Description

A course in which functions are investigated graphically, numerically, symbolically and verbally in real-world settings. Linear, quadratic, polynomial, rational, radical, exponential, and logarithmic equations and functions are explored. Technology is integrated into all aspects of the course.

Special notes or advisories (e.g. field trip
s required, prior admission to special program required, etc.):
Graphing calculator required, TI-83 or TI-84 recommended.

Student Learning Outcomes

1. Evaluate and interpret general functions symbolically, numerically, and graphically.
2. Produce an accurate graph of each function type introduced in the course, identifying and plotting all salient features.
3. Demonstrate appropriate use of technology in analyzing the behavior of functions presented in the course.
4. Use mathematical models to analyze and interpret real-world situations.
5. 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 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.
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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 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.

Prerequisites: Math 380 (or equivalent) with a grade of "C" or better or appropriate score on the math placement exam.

Describe representative skills without which the student would be highly unlikely to succeed: Ability to use the properties of real numbers to solve linear equations and inequalities. Ability to draw, read, and interpret graphs, and find the equations of lines. Ability to correctly manipulate polynomial expressions, including factoring. Students must possess the ability to use the graphing calculator.

Attendance Policy: Do not miss class. A student may be dropped from the course if they miss the time equal to two weeks of class. That is equal to 6 days of class. Faculty drops can occur from the fourth through tenth week of class.

Textbook: Author: Department of Mathematics, College of the Redwoods; Title: Intermediate Algebra, Third Edition; Date 2007. The available modes will be discussed during class

Homework: Mathematics is a discipline that requires active participation on the part of every student. That is, mathematics is learned by doing. Therefore homework will be assigned every class meeting and is due the next the class meeting. I understand that at times this can be demanding, but we have to do the work in order to learn the math. If you are having difficulty with an assignment, please come and see me right away. It cannot be over emphasized how important it is to keep up with the work. If a student falls behind, it becomes impossible to learn new material. This is a difficult course. Do not fall behind!

The homework will consist of two portions. The first is a set of daily practice problems to be done and handed in. Each of the daily homework assignments is worth 2 points. The second is the "written portion" which will be written up neatly and turned in. The written problems will be carefully graded, while the practice problems are assigned 2 points for completion. Guidelines for the homework write-ups will be discussed in class.

Quizzes: There will be several quizzes given throughout the semester. Some will be of the in-class variety, some will be take-home.

Exams: There will be several exams throughout the semester. Some of the exams will be of the in-class variety. We will also have at least one take-home exam. Make sure you read and follow the exam

instructions.

Calculators: We will be using the TI83/84 graphing calculator. Either purchase one or you may rent one from the Math Department.

Grades: Homework/Quizzes   20%
                            Exams   80%

Grades will be assigned as follows: 90-100% A
                                        80-89% B
                                        70-79% C
                                        60-69% D
                                    Below 60% F

Suggestions for success: In addition to meeting the prerequisites for Math 120, consider the following to help pass this class with a grade C or better.

- Spend at least 8 hours a week preparing for this class.

- Study with a classmate.

- Attend all classes.

- Read the book and prepare each assignment before class.

- Participate actively at all times.

- Seek help as soon as you need it. Your classmates can help, I am available during office hours (or make an appointment) and there is free tutoring available at the ASC located in the Library. Better yet, seek help before you think you need i

This information is subject to change depending on class circumstances

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