Syllabus for [*Math 120*] – Eureka Campus	
Semester & Year	Spring 2016
Course ID and Section #	Math-120-E9086
Instructor's Name	Brad L. Morin
Day/Time	TThF 1:15 pm - 2:30 pm
Location	SC210
Number of Credits/Units	3

Contact Information	*Office location*	None
	Office hours	By appointment
	Phone number	none
	Email address	brad-morin@redwoods.edu

Textbook Information	*Title & Edition*	Intermediate Algebra for College Students
	Author	Bernard Kolman & Arnold Shapiro
	ISBN	978-1-61882-667-1

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.

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: www.redwoods.edu/district/board/new/chapter5/documents/ AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf 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: www.redwoods.edu/district/board/new/ chapter5/documents/AP5500StudentConductCodeandDisciplinaryProceduresrev1.pdf
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: (http://www.redwoods.edu/ Eureka/campus-maps/EurekaMap_emergency.pdf). For more information on Public Safety, go to http://redwoods.edu/safety/ 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.

Course Equipment: TI-83 Calculator or TI-84 (TI-89 won't work well for our class).
    You can buy one for around $100, or get a used one on Amazon for $50.
    You can rent a TI-84 from the math lab for $20 (probably less semester)
    For more information, go to canvas:

Exams and Quizzes:
    Daily quizzes will be on the homework assigned the previous day.
    There will be two in-class exams and a comprehensive final.

Basis for Grade:
    25% Quizzes on homework.
    45% Semester Exams
    30% Final Exam

Grading:
    A 93% - 100%   A- 90% - 92%
    B+ 87% - 89%   B 83% - 86%   B- 80% - 82%
    C+ 77% - 79%   C 70% - 76%
    D 60% - 69%
    F Below 60%

The dates given below are the days the sections are covered in class. The suggested homework should then be done in preparation for the quiz the next day. The quiz is one point, all or nothing. Making up a missed quiz will be possible, but will usually be much more work than doing the homework in the first place. More on that later.

Date		Section	Assigned Problems for Quizes — Exercises for extra credit on exams
Jan	19	1.1	1-41 odd, 10,18,20,38
		1.2	1-79 odd, 4,14,22,32,38,48,56,70
	21	1.3	1-43 odd, 26,36,40
		1.4	1-71 odd, 20,26,36,42,52,60.66
		1.5	1-19 odd
	22	1.5	27-49 odd
		1.6	1-83 odd
		2.1	1-55 odd

	26	2.2	1-51 odd, 28,40 — *46
		2.3	1-25 odd, 22, 24 — *27,*29
	28	2.4	1-45 odd, 26 — *50
		2.5	1-45 odd
	29	3.1	1-11 odd, 10
		3.2	1-11 odd, 12 — *13,*14

Feb	2	3.3	1,3,5,7,8,9,10
	4	3.4	1,3,5,7,8,9 — *10
		4.1	1-55 odd, 22 — *59
	5	4.2	1-33 odd — *36
		4.3	1-41 odd, 47-67 odd — *76, *77
		4.4	1-19 odd

	9	4.4	21-81 odd — *83, *85
		4.5	1-31 odd
	11	4.6	1-35 odd, 39, 40

Review Chapters 1, 2, 3, and 4
The following are recommended problems to study for the exam.
Chapter 1 Summary, Progress Test 1B, p.48 1-15 all
Chapter 2 Summary, Progress Test 2B, p.84 1-15 all
Chapter 3 Summary, Progress Test 3B, p.111 1-11 all
Chapter 4 Summary, Progress Test 4B, p.148 1-18 all
12   CR Holiday — Lincoln's Birthday

	16	**Exam 1**	
	18	5.1	1-45 odd
		5.2	1-27 odd 33, 37, 41, 45 — *49, *53
	19	5.3	1-33 odd, 37, 41, 45, 49, 53 — *58
		5.4	1-21 odd — *22, *23

	23	5.5	
		5.6	
	25	5.7	
		6.1	
	26	6.2	
		6.3	

Mar	1	6.4	
		6.5	
	3	7.1	
		7.2	
	4	7.3	
		7.4	

	8	8.1	
		8.2	
	10	8.3	
		8.4	
	11	8.5	
		8.6	

	15	**CR Spring Break**	

	22	Review	
		Chapter 5 Review, p.??	
		Chapter 6 Review, p.??	
		Chapter 7 Review, p.??	
		Chapter 8 Review, p.??	
	24	**Exam 2**	
	25	9.1	
		9.2	

	29	9.3	
		9.4	
	31	9.5	
		9.6	
April	1	10.1	
		10.2	

	5	10.3
		10.4
	7	11.1
		11.2
	8	11.3
		11.4

	12	11.5
		Chapter 11 Review, p. ??
	14	12.1
		12.2
	15	12.3
		12.4

	19	12.5
		12.6
	21	13.1
		13.2
	22	13.3
		13.4

	26	14.1
		14.2
	28	14.3
		Chapter 14 Review
	29	15.1
		15.2

May	3	15.3
		15.4
	5	15.5
		Chapter 15 Review
	6	Chapter 9 Review
		Chapter 10 Review
		Chapter 12 Review
		Chapter 13 Review

	10	**Tuesday 1:00 - 3:00 Final Exam**