Syllabus for: Math120- Brad Morin

Semester & Year:	Fall 2015
Course ID and Section Number:	Math-120-E7984
Number of Credits/Units:	3
Day/Time: **Location:**	MWF 1:15 PM - 2:30 PM SC210
Instructor's Name:	Brad Morin
Contact Information:	Math Lab Hours: None Office: By Appointment Email: brad.morin@gmail.com

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.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.

The student code of conduct is available on the College of the Redwoods website at: http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.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 homepage.

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.

Textbook: **Intermediate Algebra, by CR Mathematics Department**

Available free online at:
http://www.redwoods.edu/Departments/Mathematics/IntAlgText/
Or, hard copies of the text, part 1 and part 2, can also be purchased at lulu.com
Intermediate Algebra, Part 1
Intermediate Algebra, Part 2
Or, hard copies of the text are available for purchase in the college bookstore.

Course Equipment: TI-83 Calculator or TI-84 (TI-89 won't work well for our class).
Bring text and calculator each day.

Class Time and Lectures:

We will generally start each class period with ten minutes of separate group discussion. A lecture will follow, interspersed with individual and group problem solving practice. Each class will end with a quiz or short exam.

Exams and Quizzes:

Every Monday, Tuesday, and Wednesday will end with a quiz.

Often this will be no more that copying a homework problem you have done.

Every Thursday, there will be s short exam at the end of class.

You will have a chance to makeup a quiz the following day for 80% of the credit.

Exams can be made up on the following week for 80% of the credit.

Basis for Grade:

25% Quizzes/Homework

50% Semester Exams.

25% Final Exam

Every Monday, I provide data necessary to calculate your grade to that point in time.

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%

Learning Resources:

Math Lab http://www.tamimathcr.com/mathlab-f15.html

Disabled Student Programs and Services

Academic Support Center

The L.I.G.H.T. Center

GUID 145

Prerequisites: Make certain this course is appropriate for your skills and experience.

Math 380, Elementary Algebra, is a prerequisite.

Modifications or corrections to this syllabus may be necessary as the semester progresses.

Math 120 Homework & Exams Morin

Fall Semester 2015

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. Quizzes can be made up by completing assignments on optimath by getting at least 7 right out of 8 problems. You may make as many attempts as you wish, until the deadline. The results are automatically available to me.

Makeup points can be obtained after each exam (restoring a portion of the points missed on the exam) by doing both optimath assignments for that exam. On each part you will need to get at least 7 right out of 8. You may make as many attempts as you wish, until the deadline. The results are automatically available to me.

The link for optimath can be found by clicking on the link:
http://mathrev.redwoods.edu/cgi-bin/online/f15/OTportal.cgi This will give you information about your login name and password. It will also help if you are have trouble linking up correctly to optimath.

Additional extra credit can be obtained by doing Alcumus problems on the Art of Problem Solving
1 exam point for every two levels completed in prealgebra.
1 exam point for every level completed in any of the other topics
Sign up is free. Problems tend to be challenging and interesting. However, as entertaining as the problems may be, as far as points for your grade, your best use of time will be homework and optimath.
http://www.artofproblemsolving.com/

Date		Section	Assigned Problems — *Asterisk problems are for those seeking an A or B grade
Aug	24	1.1	1-23 odd, **25, 27-33 odd, *34-42 all
	26	1.2	1-47 odd, *49,*50,*51,*52
	28	1.3	9-55 odd
	31	1.4	1-55 odd, *57,*59,*60,*61,*62
		2.1	1-11 odd
Sep	2	2.1	13-75 odd, *77,*79,*81,*83,*84
	4	2.2	1-17 odd, *19,*21,*22
	7	**Labor Day — CR Holiday**	
	9	2.3	1-25 odd, *27,*29
	11	2.4	1-41 odd
	14	2.5	1-31 odd
		2.6	1-27 odd
	16	Review	
		Introduce desmos.com	
	18	**Exam 1**	
	21	3.2	4-11, 17-21, 22, 25
		3.3	
	23	3.3	
		3.4	
	25	3.5	
	28	4.1	
		4.2	
	30	4.3	
		4.4	
		Review	
Oct	**2**	**Exam 2**	
	5	5.1	
	7	5.2	
		5.3	
	9	5.3	
		5.4	
	12	5.5	
	14	5.6	

	16	6.1 6.2
	19	6.2 Review
	21	**Exam 3**
	23	7.1 7.2
	26	7.2 7.3
	28	7.4 7.5
	30	7.6
Nov	2	7.7 7.8
	4	7.8 Review
	6	**Exam 4**
	9	**Veterans Day — CR Holiday**
	11	8.1
	13	8.2
	16	8.3
	18	8.4
	20	8.5
	23	8.6
	25	8.7 Review
	27	**Thanksgiving — CR Holiday**
	30	**Exam 5**
Dec	2	9.1 9.2
	4	9.2 9.3
	7	9.4 9.5
	9	9.5 9.6
	11	Review
		Final Exam