Syllabus for: Math120- Brad Morin

Semester & Year:	Summer 2014
Course ID and Section Number:	Math-120-E6427
Number of Credits/Units:	3
Day/Time: **Location:**	MTWTh 11:00 am – 12:30 pm HSU Room HGH 226
Instructor's Name:	Brad Morin
Contact Information:	Math Lab Hours: None Office: None 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 online at: http://msenux.redwoods.edu/IntAlgText/
Hard copy available in the CR book store.

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
55% Semester Exams.
20% Final Exam
Every Monday, I provide data necessary to calculate your grade to that point in time.

Earning a Grade:

Decide on the grade you are willing to work for.
To get that grade you need a 90% point total on that grade track.
The lower the grade track, the easier the problems.
If you slip below 80% on your grade track during the semester,
then you drop to the next lower grade track and,
10% is added to your cumulative score.
If you rise above 96% on the grade track that you are in during the semester,
you have the option of jumping up a track and,
10% is subtracted from your cumulative score.

Learning Resources: Overview at http://msenux.redwoods.edu/mathdept/courses/math25.php

Recommended -- Math Lab
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.

Math 120 Homework & Exams Morin

Summer Semester 2014

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, giving you 80% credit, by completing assignments on optimath by getting at least 6 right out of 8 problems for C-track, 7 out of 8 problems for B-track, and 8 out of 8 or A-track. 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 6 right out of 8 problems for C-track, 7 out of 8 problems for B-track, and 8 out of 8 or A-track. 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 googling - optimath - or by clicking on the link: http://msenux.redwoods.edu/online/optimath.html 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/

		C-track	— B-track	— A-track
Date	Section	Problems	Problems	Problems
May 27	1.1	1-23 odd, 27-33 odd	— 1-23 odd, 27-33 odd, 34-42 all	— 1-33 odd, 34-42 all
28	1.2	1-43 odd	— 1-51 odd	— 1-51 odd, 50,52
29	1.3	9-55 odd	— for all three tracks	
June 2	1.4	1-49 odd	— 1-57 odd	— 1-59 odd, 60, 61, 62
	2.1	1-11 odd	— for all three tracks	
3	2.1	13-73 odd	— 13-77 odd	— 13-83 odd, 84
4	2.2	1-15 odd	— 1-19 odd	— 1-21 odd, 22
5	2.3	1-21 odd	— 1-25 odd	— 1-29 odd
	Exam 1: Sections 1.1 - 2.2			

June 6: Last day to drop without getting a "W"

Generally assume that the odds are being assigned, unless I say even or all. However, if I assign something like 1-6, which obviously includes an odd and even, then assume you should do both odds and evens.

9	2.4	1-41	— 1-41	— 1-41
10	2.5	1-22	— 1-28	— 1-34
	2.6	1-22	— 1-28	— 1-28
11	3.2	4-11, 17-21	— 4-11, 17-21, 22	— 4-11, 17-21, 22, 25
12	3.3			
	Exam 2: Sections 2.3-3.2			

	16	3.4
		3.5
	17	5.1
		5.2
	18	5.2
		5.3
	19	5.4
		Exam 3: Sections 3.4 - 5.3
	23	5.5
		5.6
	24	6.1
		6.2
	25	7.1
	26	7.2
		Exam 4: Sections 5.4 - 7.1
	30	7.3
July	1	7.4
		7.5
	2	7.5
		7.6
	3	7.7
		Exam 5: Section 7.2 - 7.6
	7	7.8
	8	8.1
		8.2
	9	8.2
		8.3
	10	8.4
		Exam 6: Section 7.7 - 8.3
	14	8.5
	15	8.6
	16	8.7
	17	9.1
		Exam 7: Section 8.4 - 8.7
	21	9.2
	22	9.3
	23	9.4
	24	9.5
		Exam 8: Section 9.1 - 9.4
	28	9.6
	29	Review
	30	Review
	31	Final Exam

July 6: Last day to drop, getting a “W”