Syllabus for: Math30– Brad Morin

Semester & Year:	Fall 2013
Course ID and Section Number:	Math-30-E3863
Number of Credits/Units:	4
Day/Time:	MW 6:05 pm – 8:10 pm
Location:	SC214
Instructor's Name:	Brad Morin
Contact Information:	Math Lab Hours: Tuesday – 9:30 – 10:30 Wednesday – 11:30 – 2:00 Thursday – 9:30 – 10:30 Email: brad.morin@gmail.com

Course Description:
A course covering first-degree and absolute value equations and inequalities;composite and inverse functions;polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; matrices; sequences and series; mathematical induction; binomial expansion theorem; and complex numbers.

Student Learning Outcomes (as described in course outline) :

1. Accurately communicate mathematical ideas using correct mathematical notation, graphs, and vocabulary.
2. Demonstrate appropriate use of the graphing calculator to explore mathematical concepts and to verify their symbolic conclusions.
3. Solve problems and applications demonstrating the skills required for college-level math and science.
4. Demonstrate the characteristics of an effective learner, such as note-taking, critical reading, communication through writing, verbal discussions, etc.
5. Explain the concept of a function, identify the characteristics of different classes of functions, and use functions to solve the problems of mathematics.
6. Perform symbolic manipulations and use technology that will support success in the outcomes.

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: **Algebra & Trigonometry, 8th Edition by Sullivan.**

Amazon links to finding a good price on the textbook:

Instructor's Edition 8th Edition (why not?)
Value Pack 8th Edition
Hardcover 8th Edition
Hardcover 8th Edition (alternate option)

Course Equipment: TI-83 Calculator or TI-84 (TI-89 won't work well for our class).

Bring text and calculator on lecture days -- calculator on exam days.

Basis for Grade:

25% Daily Quizzes on homework given at the end of class
50% Semester Exams.
25% Final Exam
After every exam, I provide data necessary to calculate your grade to that point in time.

Makeup Exams and Quizzes:

MIssed quizzes can be partially made up using Optimath, as explained later.
Missed exams can be partially made-up on Optimath, as explained later.
Exceptions and extensions will be granted judiciously.

Grade Scale: Letter grades will be determined based upon the following scale.

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: Overview at http://msenux.redwoods.edu/mathdept/courses/math25.php
Recommended -- Math Lab
Optimath
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 120 is a prerequisite.

Homework/Quizzes, Exams, and Extra Credit

The dates given below are the days the sections are covered in class. The suggested homework could be started on that day in preparation for the quiz the next day of class. The quiz is one point, all or nothing. I may allow access to your homework while taking the quizzes. Quizzes can be made up by getting all 7 problems right on the optimath makeup assignment. You may repeat the assignment as

many times as you wish, within the week you are given to complete the quiz makeup. The results are automatically emailed to me.

Extra credit can be obtained after each exam (restoring a portion of the points missed on the exam) by getting 7 out of 7 on each portion of the optimath exam makeup. Generally, one week will be given to complete that option. Also, the single lowest exam score, including a missed exam, will be replace by the next lowest exam score if you complete the optimath options for the exam with the low score.

Additional extra credit exam points can be obtained by doing:

Alcumus -- 1 exam point for each new level in algebra, geometry, or Counting & Probability.

www.brilliant.org -- 1 exam point for each 2000 points accumulated.

Eating pizza with us on a Friday afternoon while working math problems at Pizza & Problems.

The Putnam Exam. 5% added on to your final exam for every point you get.

AMATYC Student Mathematics League Competition, a one-hour exam held in late October.

Links to optimath, Alcumus, brilliant.org, the Putnam, and AMATYC SML are found at:

http://msenux.redwoods.edu/cgi-bin/online/f13/OTportal.cgi

http://www.artofproblemsolving.com/

www.brilliant.org

http://www.math.niu.edu/~rusin/problems-math/

http://www.amatyc.org/?page=SMLPastQuestions

Some of these extra credit option can be quite entertaining, but the easiest way to get points is to do homework and be prepared for quizzes and exams.

Date		Section	Suggested Problems
Aug	26	R.2	73,74,75,77,79,83,87,93,113,117
		R.4	65,67,69,71,79,89,93,95
		R.5	15,17,21,23,31,33,35,39,51,57
	28	R.6	1,5,7,11,15,17,19,25
		R.7	5,11,25,29,47,761,63,77,81
		R.8	1,7,13,23,31,45,47,53,55,61,65,71,75,89,93,101
Sep	2	Labor Day - School Holiday	
	4	1.1	1,3,5,9,11,15,25,27,29,31,45,47,49,55,59,63,69,71,75,77,89,93,100,101
		1.2	5,9,13,17,19,21,23,25,33,35,39,41,43,45,49,51,55,59,61,69,73,77,81, 85,89,93,95,97,105
		1.3	11,17,19,21,27,29,33,35,41,51,53,59,*67,*69,79,81,83

	9	1.4
		1.5
	11	1.6
		1.7
		2.1
	16	2.2
		2.3
	18	2.4
		2.5
	23	Chap R Review, page 80:
		Chap 1 Review, page 148:
		Chap 2 Review, page 201:
	25	Review
		Exam 1
		3.1
	30	3.2
		3.3
Oct	2	3.4
		3.5
	7	3.6
		4.1
	9	4.2
		4.3
	14	4.4
		4.5
	16	Chap 3 Review, page 269
		Chap 4 Review, page 318
	21	Review
		Exam 2
		5.1
	23	5.2
		5.3
	28	5.4
		5.5
		5.6
	30	6.1
		6.2

Nov	4	6.3
		6.4
	6	6.5
		6.6
	11	Veteran's Day - School Holiday
	13	6.7
		6.8
	18	Chap 5 Review, page 394
		Chap 6 Review, page 494
	20	Review
		Exam 3
		12.1
	25	12.2
		12.3
	27	13.1
		13.2
		13.3
Dec	2	13.4
		13.5
	4	Review
	9	5:30 pm - 7:30 pm -- Final Exam

Modifications to this syllabus may be necessary. Additions to the calendar may be needed.