Syllabus for: Math 5 – Brad Morin

Semester & Year:	Fall 2013
Course ID and Section Number:	Math-5-E3883
Number of Credits/Units:	3
Day/Time:	TTh 11:40 am – 1:05 pm
Location:	SC208
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:

An approved CR and CSU General Education course designed primarily for non-science majors. This course is a study of selected topics from contemporary mathematics. Typical topics, which are chosen by the instructor, will be from areas including: inductive and deductive reasoning, mathematical modeling and analysis of linear and exponential functions, geometric symmetries, geometry of fractals, sequences and series, dynamics of population growth, statistics, mathematics of finance and management science, mathematics of methods of voting, fair division, and problem-solving techniques.

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 or other technology to explore mathematical concepts and verify their quantitative conclusions.

3. Solve problems and applications demonstrating the skills required for college-level mathematics.

4. Examine the quantitative arguments on both sides of issues currently in the news.

5. Explain the concepts of mathematics of social choice, statistics, growth, symmetry, finance, and/or management science and use the concepts to solve problems in these fields.

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: Using and Understanding Mathematics: A Quantitative Reasoig Approach, 4th Edition
by Jeffrey Bennett & William Briggs
Check Amazon to find the best price on the textbook.
The Library may have some copies to use.

Course Equipment: TI-83 Calculator or TI-84 (TI-89 won't work well for out class).
Bring text and calculator on lecture days -- calculator on exam days.

Basis for Grade: *Still under review, may be adjusted.*
25% Daily Quizzes on homework given at the end of class
50% Semester Exams.
20% Final Exam
5% Additional Activities

Makeup Exams and Quizzes:
MIssed quizzes can be made up using Optimath..
Missed exams can be partially made-up on Optimath.
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 73% - 76% C- 70% - 72%
D 60% - 69%
F Below 60%

Learning Resources: Overview at http://msenux.redwoods.edu/mathdept/courses/math30.php.php

Recommended -- Math Lab

Disabled Student Programs and Services

Academic Support Center

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

GUID 145

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

Modifications and additions to this syllabus will be necessary.

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. Instead of giving makeup quizzes, I will drop five quiz scores (the 0's if you have any, not the 1's) at the end of the semester for missed classes, blown quizzes, or whatever the reason.

You will be allowed to makeup one missed or low scoring exam, for whatever reason. The replacement score will be that of the next lowest scoring exam for the semester. The makeup will be an assignment to be completed outside of class.

Extra credit exam points can be obtained by working on your problem solving skills:

Alcumus -- 1 exam point for each new level in any of the subjects (subject to verification).

www.brilliant.org -- 1 exam point for each 1000 points accumulated.

Links to Alcumus and brilliant.org are found at:

http://www.artofproblemsolving.com/

www.brilliant.org

These extra credit options can be quite entertaining, but the easiest way to get points is to do homework and be prepared for quizzes and exams.

Date Sec Suggested Problems .

Aug	27		Draw a picture on www.desmos.com using equations and inequalities OR Practice the times flashcard on www.aplusmath.com
	29	1A	Read Section 1A, Do exercises 1-29 odds
Sep	3	1B	1-109 odds
	5	1B	74-108 evens
		2A	1-35 odds
	10	2A	37-93 odds
	12	2B	1-79 odds
	17	2C	
	19		
	24		
	26		
Oct	1		
	3		
	8		
	10		
	15		
	17		
	22		
	24		
	29		
	31		
Nov	5		
	7		
	12		
	14		
	19		
	21		
	26		
	28	**Thanksgiving -- School Holiday**	
Dec	3		
	5		
	10	Tuesday, 10:45 am - 12:45 pm -- **Final Exam**	