Syllabus for: Math 276 – Brad Morin

Semester & Year:	Summer 2015
Course ID and Section Number:	Math-276-E8412
Number of Credits/Units:	3
Day/Time: **Location:**	MTWTh 11:00 am – 1:05 pm SC208
Instructor's Name:	Brad Morin
Contact Information:	Email: brad.morin@gmail.com

Course Description:
A non-credit course, including a comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percents and geometry. Basic algebra concepts and techniques such as variables, simplifying expressions, solving equations will also be introduced. Problem solving, estimation and the communication of mathematical ideas are an integral part of the course. Use of a scientific calculator will be introduced.

Special Notes or Advisories: A scientific calculator is required.

Student Learning Outcomes (as described in course outline) :

1. **Evaluate and simplify numerical and algebraic expressions involving integers and rational numbers.**
2. **Solve linear equations.**
3. **Write linear equations for word problems and solve.**

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.

Instructor: Brad Morin
Email: brad-morin@redwoods.edu
Math Lab Hours: MTWTh 1:15 - 2:45 PM
Other times by appointment.

Textbook: Prealgebra Textbook, by Mathematics Department of College of the Redwoods
Also, available online at http://msenux.redwoods.edu/PreAlgText/
If you prefer a hard copy of the book, you may find some in the bookstore.
For a very reasonably priced bound copy, order it at http://www.lulu.com/.
Solutions for the odd numbered problems are found in the text.
A complete solutions manual is available free online.

Course Equipment:
Scientific Calculator (Any calculator that has a few function keys beyond basic arithmetic.)
Textbook or any device that gives you access to the text on the Internet,

Basis for Grade:
25% Daily Quizzes on homework given at the end of class
50% Semester Exams.
25% Final Exam

Homework, Quizzes, and Exams:
Daily quizzes will be either directly from the homework, or similar to a homework problem.
Homework is not turned in. You use your homework in taking the quiz.
Exam question will be directly from, or else quite similar to, the homework.

Makeup Exams and Quizzes:
Makeup work will not provide a shortcut to getting an acceptable grade.

Grading: There are two tracks to chose from.
Track C consists of basic pre-algebra material.
Track A will include additional, more challenging online problems for extra credit.

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

A 100%
B- through B+ 85% - 99%
C through C+ 75% - 84%
D 65% - 74%
F Below 65%

Final Exam: Will be held on the last Day of class.

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.

Final Exam Week: Dec 8 - 12

We will be meeting in SC110, Dec 10, 1:00 - 3:00
That will be the last opportunity to take final.

Homework & Exams

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 6 out of 7 problems right, or as specified on the assignment. You may make as many attempts as you wish, but there will be a time deadline for each assignment. The results are automatically available to me.

Extra credit can be obtained after each exam (restoring a portion of the points missed on the exam) by doing 8 of the 10 problems correct on the corresponding option on optimath. Generally, three days will be given to complete that option. After three days, you must get 9 out of 10 to get the extra credit. The single lowest exam score, including a missed exam, will be dropped if made-up on optimath with a score of ten out of ten.

Extra credit for track A can be obtained by doing Alcumus on the Art of Problem Solving -- 1/2% added for every level completed in prealgebra. Links to optimath and Alcumus are found at the following sites:
http://msenux.redwoods.edu/mathdept/courses/math376.php
http://www.artofproblemsolving.com/

Date		Section	Suggested Problems	Recommended Focus Problems
May	26	1.1	1-65 odd -- 11,23,27,37,47,61,63,65	
	27	1.2	1-109 odd -- 7,19,25,31,57,63,99,109	
		1.3	1-117 odd -- 5,11,25,35,47,51,57,63,69,71,115	
	28	1.4	1-121 odd -- 5,9,19,27,35,39,51,59,67,77,91,109	
		1.5	1-101 odd -- 11,17,37,45,55,67,79,83,91,97,101	
June	1	1.6	1-65 odd -- 11,39,51,55,63	
		1.7	1-55 odd -- 25,29,41,53	
	2	Review Chapter 1		
		Optimath		
	3	**Exam 1**		
		One Alcumus level or Optimath		
	4	2.1	1-71 odd -- 11,21,29,47,61,69	
		2.2	1-83 odd -- 11,25,37,47,57,65,77,83	
	8	2.3	1-59 odd -- 21,29,39,41,49,59	
		2.4	1-85 odd -- 9,15,39,53,59,65,77,81	
	9	2.5	1-103 odd -- 9,21,33,39,47,57,67,83,87,91,101	
		2.6	1-95 odd -- 11,23,27,31,41,51,67,69,77,85	
	10	Review Chapter 2		
		Optimath		
	11	**Exam 2**		
		One Alcumus level or Optimath		
	15	3.1	1-25 odd -- 11,19,23	
		3.2	1-49 odd -- 9,17,23,29,37	
	16	3.3	1-43 odd -- 5,15,23,37,41	
		3.4	1-61 odd -- 5,13,21,29,33,39,45,61	
	17	3.5	1-67 odd -- 7,13,23,33,39,43,51,57,65	
		3.6	1-47 odd -- 1,5,11,25,33,39,45	
	18	Review Chapter 3		
		Optimath		
	22	**Exam 3**		
		One Alcumus level or Optimath		
	23	4.1	1-101 odd -- 9,23,35,53,63,87	
		4.2	1-69 odd -- 37,53,61,67	
	24	4.3	1-95 odd -- 13,21,39,59,61,77,93	
		4.4	1-131 odd -- 65,83,117,129	
	25	4.5	1-75 odd -- 9,21,45,59	
		4.6	1-47 odd -- 19,37	

	29	4.7	1-73 odd -- 5,11,21,51,65,71
		4.8	1-83 odd -- 17,29,61,75
	30		
July	1		
	2		
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	28		
	29	Final Part 1	
	30	Final Part 2	