

## Syllabus for: Math25 – Brad Morin

<b>Semester &amp; Year:</b>	Fall 2012
<b>Course ID and Section Number:</b>	Math-376-E1873
<b>Number of Credits/Units:</b>	4
<b>Day/Time:</b>	TTh 6:05 – 8:10 pm
<b>Location:</b>	PS201
<b>Instructor's Name:</b>	Brad Morin
<b>Contact Information:</b>	Office location and hours:PS200 by appointment Phone: Email:brad-morin@redwoods.edu

### Course Description:

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.

### Student Learning Outcomes (as described in course outline) :

1. Evaluate and simplify numerical and algebraic expressions involving integers and rational numbers.  
Solve linear equations.  
Write linear equations for word problems and solve.  
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: Prealgebra Textbook, by Mathematics Department of College of the Redwoods**

Free Text on CD, supplied by instructor first day of class

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 or on CD.

**Course Equipment: Scientific Calculator**

Graph-paper workbook in which you do and display homework.

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

**Basis for Grade:**

25% Daily Quizzes taken from suggested homework.

50% Semester Exams.

20% Final Exam

5% Class projects, Departmental surveys, SLO assessments, ancillary assignments.

Minimum quiz percentages required for an:

A Grade - 75% (Talk to me early if you anticipate an attendance problem.)

B Grade - 65%.

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

A- through A 90% - 100%

B- through B+ 80% - 89%

C through C+ 70% - 79%

D 60% - 69%

F Below 60%

**Learning Resources: Overview at <http://msenux.redwoods.edu/mathdept/courses/math376.php>**

**Recommended -- Math Lab**

<http://msenux.redwoods.edu/mathdept/courses/math376L.php>

Optimath (More about this later)

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.**

Math 372 is a prerequisite, or the equivalent.

## Homework/Quizzes & 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. You may make as many attempts as you wish. 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 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.

Additional extra credit can be obtained by:

Doing all the optimath exercises before each exam -- adding 2 points to the exam score.

Doing Alcumus on the Art of Problem Solving -- 1 exam points 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	Sec	Suggested Problems	__ Recommended Focus Problems
Aug	28	1.1	1-65 odd -- 11,23,27,37,47,61,63,65
		1.2	1-109 odd -- 7,19,25,31,57,63,99,109,111
	30	1.3	1-113 odd -- 5,11,25,35,47,51
		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
Sep	4	1.6	1-65 odd -- 11,39,51,55,63
		1.7	1-55 odd -- 25,29,41,53
	6	Review -- Census Day	
		<b>Exam I</b>	
	11	2.1	1-71 odd -- 11,21,29,47,61,69
		2.2	1-83 odd -- 11,25,37,47,57,65,77,83
	13	2.3	1-59 odd -- 21,29,39,41,49,59
		2.4	1-85 odd -- 9,15,39,53,59,65,77,81
	18	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
	20	Review	
	<b>Exam II</b>		
25	3.1	1-25 odd -- 11,19,23	
	3.2	1-49 odd -- 9,17,23,29,37	
27	3.3	1-43 odd -- 5,15,23,37,41	
	3.4	1-61 odd -- 5,13,21,29,33,39,45,61	
	3.5	1-67 odd -- 7,13,23,33,39,43,51,57,65	
Oct	2	3.6	1-47 odd -- 1,5,11,25,33,39,45
		4	Review
	<b>Exam III</b>		

	9	4.1	1-101 odd -- 9,23,35,53,63,87
		4.2	1-69 odd -- 37,53,61,67
	11	4.3	1-95 odd -- 13,21,39,59,61,77,93
		4.4	1-131 odd -- 65,83,117,129
	16	4.5	1-75 odd -- 9,21,45,59
		4.6	1-47 odd -- 19,37
	18	4.7	1-73 odd -- 5,11,21,51,65,71
		4.8	1-83 odd -- 17,29,61,75
	23	Review	
		<b>Exam IV</b>	
	25	5.1	1-95 odd -- 43,55,63,73
		5.2	1-83 odd -- 23,77
	30	5.3	1-99 odd -- 35,65,73,95,97
		5.4	1-111 odd -- 23,63,75,79,93,109
Nov	1	5.5	1-67 odd -- 31,51,59
		5.6	1-77 EOO -- 21,49,53,65,69
	6	5.7	1-81 odd -- 5,11,27,33,37,57,75
		5.8	1-31 odd -- 11,23,27
	8	Review	
		<b>Exam V</b>	
	13	6.1	1-37 odd -- 7,21,27,33
		6.2	1-55 odd -- 5, 13,33,41
	15	6.3	1-99 odd -- 11,33,47,73,79,93
		6.4	1-95 odd -- 1,7,21,45,67,89
	20	6.5	1-95 odd -- 7,29,53,77,93
		7.1	1-79 odd -- 9,19,25,35,37,57,69
	22	<b>Thanksgiving</b>	
	27	7.2	1-61 odd -- 1,7,27
		7.3	1-37 odd -- 7,11,15,21,31
	29	7.4	1-37 odd -- 1,11,19
		7.5	1-49 odd -- 3,11,25,29
Dec	4	7.6	1-21 odd -- 7,13
		8.1	1-31 odd -- 7,9,17,25
	6	8.2	1-51 odd -- 1,11,17,31,39
		Final Review	
	11	<b>Final Exam Tuesday 5:30 - 7:30 pm</b>	

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