

Syllabus for: Math 380

Semester & Year:	Spring 2014
Course ID and Section Number:	Math-380-E5168
Number of Credits/Units:	4 Credit Hours
Day/Time:	MTTh 6:05 – 7:40 pm
Location:	SC206
Instructor's Name:	Brad Morin
Contact Information:	Office: None Hours: By Appointment Email: brad-morin@redwoods.edu

Course Description:

A study of the real number system, first-degree linear equations and inequalities, polynomial expressions and equations, factoring, radicals, quadratic equations and the quadratic formula, interpretation of graphs, and problem-solving techniques. Small group work and exploratory activities (including the use of the graphing calculator) are involved in this course.

Student Learning Outcomes :

1. Read, write, and speak accurately about mathematical ideas using correct mathematical notation.
2. Apply the mathematics they have learned to real world problems and applications.
3. Use graphs and the graphing calculator to explore mathematical concepts and to verify their work.
4. Demonstrate competency in the required prerequisite skills for intermediate algebra.
5. Demonstrate the characteristics of an effective learner.
6. Read and use function notation correctly.
7. Perform symbolic manipulations that will support success in the other 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.

Welcome to Math 380 E5168 (035168) Elementary Algebra—Spring 2014
MTTh 6:05 pm - 7:40 pm SC206

Instructor: Brad Morin

Instructor Availability:

Email: brad-morin@redwoods.edu

Office Hours: By appointment. Also 15 minutes before class or after class.

Math Lab Hours: Thursday 11:00-1:00

Friday 11:00 - 12:00 & 12:30 - 2:00

Textbook: Intermediate Algebra Textbook, by Mathematics Department of College of the Redwoods

Available online at <http://mathrev.redwoods.edu/ElemAlgText/>

A hard copy of the text is available for purchase in the college bookstore.

Calculator: A TI-83 or TI-84 will be required for the class.

Calculators can be rented for the semester.

Go to the Cashier in Enrollment Services and pay the \$20 calculator fee.

Next, go to the math lab and pick up a calculator.

Basis for Grade:

30% Daily quizzes on suggested homework — and special activities
50% Semester Exams.
20% Final Exam
Extra Credit and Makeup will be available through a variety of options.

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%

My Teaching Philosophy & Goals:

Make the subject enjoyable.
Set a high standard for mastering math skills.
Be a resource all students are comfortable approaching.
Manage incentives for students to spend the effort to learn the material.
Foster in students the confidence for future math classes and practical apps.

Learning Resources: Overview at <http://msenux.redwoods.edu/mathdept/courses/math380.php>

Recommended -- [Math Lab](#)

<http://msenux.redwoods.edu/mathdept/courses/math380L.php>

Optimath

Disabled Student Programs and Services

Academic Support Center

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

Minor modifications to this syllabus may be necessary during the semester.

Math 380

Homework, Exams, & Extra Credit Morin Spring 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. Each quiz is one point, all or nothing.

A daily online assignment, on optimath, can serve as practice. They also can be used for makeup points for quizzes and exams. You must get perfect scores on optimath for quiz makeup points (not the easy way to get around quizzes). You get as many tries as you need, until the deadline.

Extra credit can be obtained after each exam (restoring a portion of the points missed on the exam) by doing optimath assignments.

The ambitious student can register at the site www.artofproblemsolving.com and work problems on Alcumus -- a programmed sequence of problems. For every level advance in PreAlgebra, I will add a point to your over-all exam scores. For every level advance in Algebra, I will add two points to your over-all exam scores.

<u>Date</u>	<u>Sec</u>	<u>Suggested Problems</u>	<u>Recommended Focus Problems</u>
Jan 21	1.1	1-51 odd	-- 7,13,19,25,27,31,35,37,42,47,51
23	1.2	1-77 odd	-- 5,7,15,25,37,39,41,47,53,63,65,73,75
	1.3	1-79 odd	-- 5,11,15,21,27,35,39,47,57,69,71,73
27	1.4	1-79 odd	-- 3,15,27,35,43,51,65,67,77
	1.5	1-63 odd	-- 5,9,15,23,33,41,55,59,63
28	2.1	1-51 odd	-- 9,11,21,27,33,41,49
	2.2	1-55 odd	-- 1,15,17,31,37,47,55
30	2.3	1-31 odd	-- 3,11,17,23,29
Feb 3	2.4	1-37 odd	-- 5,15,17,21,27,35
4	2.5	1-33 odd	-- 1,3,11,13,17,21,23,29,33
6	2.6	1-83 odd	-- 3,7,17,19,23,27,31,35,43,49,53,67,75
10	Review Chapters 1 & 2		
11	Exam 1		
13	3.1	1-31 odd	-- 1,7,11,17,21,27

	17		Holiday (Washington)
	18	3.2	1-27 odd -- 1,11,17,19,23,27
		3.3	1-29 odd -- 1,7,13,17,23,29
	20	3.4	1-23 odd -- 1,7,13,21
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	24	3.5	1-25 odd -- 3,9,13,19,25
	25	3.6	1-33 odd -- 1,5,9,13,21,23,29,31,33
	27	4.1	1-9 odd, 19-29 odd -- 9,19,29
		4.2	1-45 EOO -- 1,9,17,21,29,37,45
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Mar	3	4.3	1-39 odd -- 1,9,15,17,25,31,35,37
	4	4.4	1-15 odd -- 1,5,7,9,11,13
	6		Review Chapters 3 & 4
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	10	Exam 2	
	11	5.1	1-45 odd -- 9,11,17,23,27,
	13	5.2	1-67 odd -- 3,9,15,19,27,35,45,53,63
		5.3	1--15 odd -- 9,13
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	17, 18, 20		SPRING BREAK
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	24	5.4	1-37 odd -- 1,13,17,27,37
	25	5.5	1-57 odd -- 3,15,21,25,29,45,55,57
		5.6	1-55 odd -- 3,19,27,33,39,49,51
	27	5.7	1--79 odd -- 1,5,13,19,21,27,35,47,71
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	31		Review Chapter 5
Apr	1	Exam 3	
	3	6.1	1-75 odd -- 5,9,17,21,29,35,43,53,61,67,75
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	7	6.2	1-57 odd -- 3,11,13,21,33,35,47,55
		6.3	1-43 odd -- 1,5,9,17,23,27,37
	8	6.4	1-45 odd -- 1,11,15,25,31,41
	10	6.5	1-83 odd -- 3,13,23,29,39,59,63,77,79
		6.6	1-59 odd -- 3,9,19,25,35,43,49,57
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	14	6.7	1-21 odd -- 1,3,5,15,21
	15		Review Chapter 6

17 Exam 4

	21	7.1	1-61 odd	--	3,7,9,15,17,23,27,35,39,43,47,55,61
	22	7.2	1-49 odd	--	3,7,9,15,17,23,25,27,35,39,45
		7.3	1-47 odd	--	5,13,17,21,27,33,43
	24	7.4	1-27 odd	--	1,9,11,14,21,25

	28	7.5	1-29 odd	--	1,3,5,13,19,25
	29	8.1	1-41 odd	--	1,5,11,17,21,23,29,31,35,41
May	1	8.2	1-39 odd	--	1,3,9,11,17,25,27,33,35

	5	8.3	1-55 odd	--	3,7,9,13,23,27,35,37,49,55
	6	8.4	1-39 odd	--	1,5,11,17,23,27,33,39
	8	Review			

	12	5:30-7:30	Final Exam		
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