

PRECALCULUS MATH 140
Cedar Crest College – Fall 2009
Monday, Wednesday, Friday; 8:00 – 8:50 AM

Instructor – Gary Moll
Academic Services
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Text - PRECALCULUS, 5th edition; Stewart, Redlin, Watson

Prerequisites – none

Course Description – An algebra review will be presented. The course will focus upon graphing of lines and curves, functions, exponents and radicals, logarithms, trigonometric functions and identities, with applications and related topics. This course is designed as a preparation for Calculus.

Course objectives – Upon completion of the course the student will be able to:

1. Demonstrate the ability to accurately graph linear & non-linear functions
2. Correctly solve problems involving exponents and/or radicals
3. Explain the concept of logarithms and solve problems with them
4. Apply trigonometric identities to modeling problems and complete them
5. Integrate above techniques in solving application problems

Instructional Method – Class time will be split between instructor demonstration and student practice. The student is encouraged to ask for assistance as soon as they feel the need. Do not wait until it is too late. Homework assignments will be given for student practice. **PRACTICE IS ESSENTIAL TO SUCCESS IN THIS COURSE.** The homework assignments will not be collected or graded. **Your grade will be determined by four quizzes, five tests (one after each chapter) and a comprehensive final.**

Attendance – Attendance is very important. However, roll will not be taken. You are responsible for all material given during class whether you are in attendance or not. If you are absent from a test or quiz, a valid doctor's excuse is necessary to retake the test. Any other excuses are frowned upon, but will be considered on a case-by-case basis. If no valid excuse is produced, you will receive a grade of zero for that test.

Grading –	A	93 – 100	C+	77 – 79	F	<60
	A-	90 – 92	C	73 - 76		
	B+	87 – 89	C-	70 - 72		
	B	83 – 86	D+	67 – 69		
	B-	80 - 82	D	60 – 66		

MATH 140—FALL 2009
COURSE SCHEDULE & SUGGESTED HOMEWORK PROBLEMS

Aug 24	Intro, syllabus, 1.1	p 10—1 to 33; odd
Aug 26	1.1	p 10—35 to 71; odd
Aug 28	1.2	p 21—1 to 21; odd
Aug 31	1.2	p 21—23 to 85; odd
Sept 2	1.3	p 31—1 to 41; odd
Sept 4	1.3; quiz	p 31—43 to 103; odd
Sept 7	no class – Labor Day	
Sept 9	1.4	p 41—7 to 49; odd
Sept 11	1.4	p 41—51 to 83; odd
Sept 14	1.5	p 55—1 to 21; odd
Sept 16	1.5	p 55—23 to 67 and 75 to 97; both odd
Sept 18	1.6	p 68—13 to 31; odd; PLUS simultaneous equation handout
Sept 21	1.6; quiz	p 68—31 to 75; odd
Sept 23	1.7	p 84—7 to 27; odd
Sept 25	1.7	p 84—29 to 75; odd
Sept 28	1.8	p 97—7, 25, 27, 31, 43, 49, 71, 73, 81, 89
Sept 30	1.10	p 124—11 to 35; odd; 63, 65
Oct 2	Finish/review chapter 1	
Oct 5	Chapter 1 test	
Oct 7	2.1	P 155—13 to 57, odd
Oct 9	2.2	p 167—1 to 25, 37 to 49; all odd and 55 to 60; 85
Oct 12	no class-Spring break	
Oct 14	2.3; quiz	p 179—1, 3, 17 to 29; odd
Oct 16	2.4	p 190—1 to 47; odd
Oct 19	2.4	same as above, plus 61 to 69; odd
Oct 21;	2.5; quiz	p 200—1 to 49; odd
Oct 23	no class-President's request	
Oct 26	2.6; 2.7	p 210—1, 3, 15, 21
Oct 28	2.7	p 219—1 to 9, 17 to 21, 23 to 53; all odd; 58
Oct 30	2.8	p 230—1 to 53; odd

Nov 2	Chapter 2 test	
Nov 4	3.1	p 262—5 to 45; odd
Nov 6	3.1	same as above
Nov 9	3.2 and 3.6 (quickly)	p 279—1 to 45; odd; 57 and p 312—33 to 55; odd
Nov 11	Chapter 3 test	
Nov 13	4.1, 4.2	p 336—1 to 39, odd; 65, 67 p 349—1 to 39; odd; 81
Nov 16	4.3	p 356—1 to 55; odd
Nov 18	4.4	p 366—1 to 51; odd
Nov 20	Chapter 4 test	
Nov 23	6.1	p 474—1 to 49, odd
Nov 25	no class-Thanksgiving	
Nov 27	no class-Thanksgiving	
Nov 30	6.2, 6.3	p 484—1 to 43; odd and p 495—1 to 35, odd; 43 to 49, odd
Dec 2	5.1	p 406—19 to 29, 33 to 49, both odd
Dec 4	5.2	p 416—3 to 21; 27 to 35; both odd
Dec 7	5.3, 5.4	p 429—1 to 39, odd
Dec 8(Tues)	Chapter 5/6 test; Chapter 7 as handout only (not on final)	
Dec 9 or 10	Reading day review session (not mandatory)—date/time to be determined	

Comprehensive Final Exam

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