

Be sure to log onto <http://my.commnet.edu> Blackboard Vista to view any updates to this class schedule.

Dates	section in text	topic	homework assignment
1-21 1-26 1-28	chapt 1	Fundamentals	p. 130 Concept Check #1-33 p. 135 Chapter 1 Test #1-22,  Read p 138-145 “Focus on Prob Solving”, then pick 3 word problems from sections 1.6 (#18 - 84), 1.7 (#95-106) 1.10 (#67-72) 1..11 (#23-42) Post the solution to one word problem on the discussion board on Vista Blackboard for 5 points. Reply to a solution posted by a classmate for another 5 points. (Verify that it is correctly done, correct an error, give an alternative solution or way of looking at the problem.)
2-2	2.1, 2.2	What is a function Graphs of functions  Increasing and Decreasing,	Sect 2.1. 1, 5, 9, 11, 15, 17, 21, 23, 26, 27, 29, 31, 33,37, 41, 55, 59,63, 65,69, 70, 71  Sect 2.2 1, 5, 9...93
2-4	Complete section 2.2  2.3	Piecewise defined functions, step functions  Average Rate of Change = Slope	Sect 2.2 1, 5, 9...93  p 179 sect 2.3 avg rate of change # 1,4 5, 10, 11, 13, 16,17,19, 25, 27,29, 31, 33,35 37, 38
2-9	“focus on modeling”, pages 239 ff (Fitting lines to data)	Given data, find line of best fit	Linear data project 1 due February 23 Use data illustrating “The Paradox of Affluence” our annual college theme for extra credit

2-11	2.4-2.6	Transformations, Quadratics, Word Problems	<p>p. 190 sect 2.4 transformations #1-9 odd, 11-21 all, 23-71 every other odd (23,27,31... 71), 73,</p> <p>p.200 sect 2.5 quadratics # 1, 17, 19, 27, 31, 33, 39, 41, 45, 49, 57, 60, 61, 69</p> <p>p. 210 sect 2.6 word problems. Everyone does #13, 19, 23, 37, 29, 31, 33, 35. Post the answer to one word problem on the discussion board on Vista Blackboard</p>
<u>2-16</u>	<u>NO CLASS</u>		<u>PRESIDENTS' DAY</u>
2-18	2.7	Combining $f(x)$ ,	p. 219 sect 2.7: 3, 5, 9, 11, 15–27 odd, 29-53 every other odd (eoo), 55,-63 odd, 56
	2.8	Inverse $f(x)$	p. 230 sect 2.8 : 1,3,5,17,19-79 eoo, 53, 69, 81
2-23	TEST CH 1 and 2	Use chapt tests in text to review  Check Vista Blackboard for test review info	<b>TEST on CH 1 and 2 on Feb 23</b> <b>Linear project due Feb 25, 2009</b>
2-25	3.1-3.4	Polynomial Functions and their graphs  Polynomials: divide, zeros,	<p>p. 262 sect 3.1 1,3,5-10 all, 11-51 eoo, 21, 45, 57, 61, 63-69 odd, 72, 73-79 odd, look at #73, think about 81-84</p> <p>sect 3.2, p. 270 #1 – 67 every other odd</p> <p>sect 3.3, p. 279 #1-17 eoo, 29, 35, 39, 47, 49, 53, 56, 79, 93, read 102 for curiosity sake,</p> <p>sect 3.4, p. 289 #1-9 odd, 13-43 eoo, 45-61 eoo</p>

3-2	3.5	complex numbers, Fundamental Theorem of Algebra	sect 3.5, p. 298 #1, 9, 13, 15, 25, 29, 31, 37, 41, 45, 55, 59, 63, 65
	3.6	Rational Functions	3.6 p. 312, #3-47 eoo, 61, 67, 77, 82

3-4		TEST CH 3	<b>TEST CH 3</b>
3-9	4.1, 4.2	Exponential and Logarithmic functions	4.1 p. 336, #3,9,11,15,17,19-24,27,31, 35, 39, 42, 51, 55, 65, 69, 71, 75, 77, 79, 81  4.2 p. 349, #1-79 every other odd
3-11	4.3-4.5	Logarithms: definition, laws of, solve equations, word problems	4.3 p. 356, #1-61 every other odd  4.4 p. 366, #1-81 every other odd  4.5 p. 379 #1, 3, 5, 7, 11, 15, 19, 21, 35
3- 16/18			<b>SPRING BREAK</b>
3-23			review ch 4: concept check p. 383
3-25		EXPONENTS AND LOGS TEST	<b>TEST CH 4</b>
3-30	6.1	Angle measure	6.1 p 474, #1-65 every other odd and 67, 71, 76, 79
4-1	6.2 6.3	right triangle trigonometry	6.2 p 484 #1-65 eoo, but not 37  6.3 p 495 #1-57 eoo, plus 61,
4-6 4-8	6.4-6.5	Law of sines and cosines	6.4 p 506 # 1, 7, 15, 17, 19, 21, 33, 35, note #43  6.5 p. 513 #9, 13, 33, 43

4-13	5.1 – 5.3	The unit circle, Trig as function of real number	5.1 p. 406 # 1-37 eoo, 19, 51, 53  5.2 p. 416 #1 (compare with #19 sect. 5.1), 5, 11, 17, 19, 21, 23-26, 27, 43, 45, 49, 53, 55, 57, 63, 65, 83, 84  5.3 p. 429 #1-61 eoo, read #82
4-15	5.4 – 5.5	Trig graphs, translations and transformations, harmonic motion, other applications	5.4 know graphs of all six trig functions by heart, also p. 441 # 55, 57  5.5 p. 452 # 9, 29, 31, 33, 35  Predator/Prey Trig project assigned; due May 4
4-20	7.1-7.3	Trig Identities	
4-22 4-27	7.4-7.5	Inverse Trig f(x), trig equations,	
4-29		Review Ch 5,6,7	
5-4		TRIG TEST	<b>TEST Ch 5,6,7</b>  <b>Distribute end of year problem set May 13</b>
5-6	Chapter 9 selected topics	solve systems of equations with matrices (row reduced echelon form)/ determinants (Cramer's rule).	
5-11 5-13	Review for final exam		
Dec 17		FINAL EXAM	<b>Cumulative Final Exam</b> <b>Grades available on</b> <a href="http://my.commmnet.edu">http://my.commmnet.edu</a> <b>May 22 or</b> <b>email <a href="mailto:jdecker@trcc.commmnet.edu">jdecker@trcc.commmnet.edu</a></b>