

Fall 2009

Math 110P Syllabus
Text: College Algebra, Michael Sullivan

WEEK	DATES	SECTIONS	TOPICS
1	Aug. 24 - 28	Introduction, R.2 R.4 R.4, R.5 R.5, R.6	Algebra Essentials Polynomials Factoring Polynomials Synthetic Division
2	Aug. 31 - Sept. 4	R.6 R.7 R.7, R.8 R.8	Rational Expressions nth roots; Rational Exponents
3	Sept. 7 - 11	OFF 1.1 1.1 1.2	Linear Equations Quadratic Equations
4	Sept. 14 - 18	1.2, 1.4 1.4 1.4, 1.5 1.5	Radical Equations Equations Quadratic in Form Solving Inequalities
5	Sept. 21 - 25	1.6 1.6 Catch-up/Review EXAM I	Equations and Inequalities Involving Absolute Value
6	Sept. 28 - Oct. 2	1.7 2.1 2.2 2.2	Problem Solving The Distance and Midpoint Formulas Graphs of Equations
7	Oct. 5 - 9	2.3 2.3 2.3 2.4	Lines Circles
8	Oct. 12 - 16	3.1 3.1, 3.2 3.2, 3.3 3.3	Functions The Graph of a Function Properties of Functions

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WEEK	DATES	SECTIONS	TOPICS
9	Oct. 19 - 23	3.4	Library of Functions; Piecewise-defined Functions
		3.5	Graphing Techniques; Transformations
		3.5	
		4.3	Quadratic Functions
10	Oct. 26 - 30	4.4	Quadratic Models
		4.5	Inequalities Involving Quadratic Functions
		Catch-up/Review	
EXAM II			
11	Nov. 2 - 6	5.1	Polynomial Functions
		5.2	Properties of Rational Functions
		5.3	The Graph of a Rational Function
		5.4	Polynomial and Rational Inequalities
12	Nov. 9 - 13	5.5	The Real Zeros of a Polynomial Function
		6.1	Composite Functions
		6.2	One-to-One Functions; Inverse Functions
13	Nov. 16 - 20	6.3	Exponential Functions
		6.4	Logarithmic Functions
		6.5	Properties of Logarithms
		6.5	
14	Nov. 23 - 27	Catch-up / Review	
		Exam III	
		OFF	
OFF			
15	Nov. 30 - Dec. 4	6.6	Logarithmic and Exponential Equations
		6.6, 6.8	Exponential Growth and Decay
		6.8	
Catch-up/Review			

FINAL EXAM – TUESDAY, DECEMBER 8, 8:00-9:50 a.m.