

Fall 2008

Math 110P Syllabus
Text: College Algebra, Michael Sullivan

WEEK	DATES	SECTIONS	TOPICS
1	Aug. 25 - 29	Introduction, R.2 R.4 R.4, R.5 R.5, R.6	Algebra Essentials Polynomials Factoring Polynomials Synthetic Division
2	Sept. 1 - 5	OFF R.6 R.7 R.7, R.8	Rational Expressions nth roots;
3	Sept. 8 - 12	R.8 1.1 1.1 1.2	Rational Exponents Linear Equations Quadratic Equations
4	Sept. 15 - 19	1.2, 1.4 1.4 1.4, 1.5 1.5	Radical Equations Equations Quadratic in Form Solving Inequalities
5	Sept. 22 - 26	1.6 1.6 Catch-up/Review EXAM I	Equations and Inequalities Involving Absolute Value
6	Sept. 29 - Oct. 3	1.7 2.1 2.2 2.2	Problem Solving The Distance and Midpoint Formulas Graphs of Equations
7	Oct. 6 - 10	2.3 2.3 2.3 2.4	Lines Circles
8	Oct. 13 - 17	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. 20 - 24	3.4	Library of Functions; Piecewise-defined Functions
		3.5	Graphing Techniques; Transformations
		3.5	
		4.3	Quadratic Functions
10	Oct. 27 - 31	4.4	Quadratic Models
		4.5	Inequalities Involving Quadratic Functions
		Catch-up/Review	
		EXAM II	
11	Nov. 3 - 7	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. 10 - 14	5.5	The Real Zeros of a Polynomial Function
		6.1	Composite Functions
		6.2	One-to-One Functions;
		6.2	Inverse Functions
13	Nov. 17 - 21	6.3	Exponential Functions
		6.4	Logarithmic Functions
		6.5	Properties of Logorithms
		6.5	
14	Nov. 24 - 28		Catch-up / Review
		Exam III	
		OFF	
		OFF	
15	Dec. 1 - 5	6.6	Logarithmic and Exponential Equations
		6.6, 6.8	Exponential Growth and Decay
		6.8	
		Catch-up/Review	

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