

Spring 2012

MATH 109P
Syllabus

Text: Gustafson/Karr/Massey, Beginning and Intermediate Algebra, Sixth Edition

WEEK	DATES	SECTIONS	TOPICS
1	Jan. 16-20	OFF Introduction, 5.1 5.1, 5.2 5.3, 5.4	Factoring Polynomials
2	Jan. 23-27	5.7 5.7 6.1 6.1	Solving Equations by Factoring Simplifying Rational Expressions
3	Jan. 30 - Feb. 3	6.2 6.2, 6.3 6.3 6.5	Multiplying and Dividing Rational Expressions Adding and Subtracting Rational Expressions Solving Equations That Contain Rational Expressions
4	Feb. 6-10	6.5 6.7, 6.8 Review EXAM I	Ratios; Proportions and Similar Triangles
5	Feb. 13-17	7.1 7.2 7.3 7.4	Review of Equations and Inequalities Equations Containing Absolute Values Inequalities Containing Absolute Values Review of Factoring
6	Feb. 20-24	7.6 8.1 8.2 8.3	Synthetic Division A Review of the Rectangular Coordinate System Slope of a Nonvertical Line Writing Equations of Lines
7	Feb. 27 - Mar. 2	8.3 8.3 8.4 8.5	 A Review of Functions Graphs of Nonlinear Functions
8	Mar. 5-9	9.1 9.2 Review EXAM II	Radical Expressions Applications of Radicals

9	Mar. 19-23	9.3	Rational Exponents
		9.3	
		9.3, 9.4	Simplifying and Combining
		9.4	Radical Expressions
10	Mar. 26-30	9.4	
		9.5	Multiplying and Dividing
		9.5	Radical Expressions
		9.6	Radical Equations
11	Apr. 2-6	9.6	
		9.6	
		9.7	Complex Numbers
		9.7	
12	Apr. 9-13	10.1	Solving Equations: Factoring, Square Root Method
		10.1	Solving Equations: Completing the Square
		Review	
		EXAM III	
13	Apr. 16-20	10.2	Solving Equations: Quadratic Formula
		10.2	
		10.3	The Discriminant
		10.3	Equations That Can Be Written in Quadratic Form
14	Apr. 23-27	10.4	Graphs of Quadratic Functions
		10.5	Quadratic Inequalities
		10.5	
		10.6	Algebra and Composition of Functions
15	Apr. 30 - May 4	10.6	
		Review	
		Review	
		Reading Day	

FINAL EXAM - TUESDAY, MAY 8, NOON - 1:50 P.M.