

Fall 2009

### MATH 109P Syllabus

Text: Michael Sullivan, Algebra Review

<u>WEEK</u>	<u>DATES</u>	<u>SECTIONS</u>	<u>TOPICS</u>
1	Aug. 24 - 28	Introduction, 1.1 1.1 1.2 1.3	Overview of Course, Start Notations/Symbols Notations, Symbols Number Systems Approximations; Calculators
2	Aug. 31 - Sept. 4	1.4 1.5, 1.6 1.7 1.8	Properties of Real Numbers Real Number Line, Operations Inequalities, Distance Mathematical Models
3	Sept. 7 - 11	OFF 2.1 2.2 2.3	Labor Day Laws of Exponents Monomials; Polynomials Add., Subt. of Polynomials
4	Sept. 14 - 18	2.4, 2.5 2.5 2.6 2.7	Mult. of Polynomials Division of Polynomials Factoring Polynomials Factoring 2nd-Degree Polynomials
5	Sept. 21 - 25	2.7 2.8 Catch-Up and/or Review EXAM I	Special Factoring Formulas
6	Sept. 28 - Oct. 2	3.1 3.2 3.3 3.4	Operations using Fractions Reducing Rational Expressions Mult., Div. of Rational Expressions Add., Subt. of Rational Expressions
7	Oct. 5 - 9	3.4 4.1 4.1 4.2	Negative Integer Exponents Scientific Notation Square Roots
8	Oct. 12 - 16	4.2, 4.3 4.3 4.4 4.4	Radicals  Rational Exponents

Continue on back

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9	Oct. 19 - 23	1.1 1.1 1.1 1.2	Linear Equations  Quadratic Equations
10	Oct. 26 - 30	1.2 1.2 Catch-up and/or Review EXAM II	
11	Nov. 2 - 6	1.3 1.3 1.3 1.7	Quad. Eqns. in the Complex Number System  Applications
12	Nov. 9 - 13	2.1 2.1 2.2 2.2	The Distance and Midpoint Formulas  Graphs of Equations in Two Variables
13	Nov. 16 - 20	2.3 2.3 2.3 2.3	Lines
14	Nov. 23 - 27	Catch-up and/or Review Exam III OFF OFF	
15	Nov. 30 - Dec. 4	2.4 Catch-up and/or Review Catch-up and/or Review Catch-up and/or Review	Circles

**FINAL EXAM - TUESDAY, December 8, 8:00-9:50 a.m.**