

Math 114, Algebra and Trigonometry Lecture 1, Fall Semester 2005-06

Schedule of lectures and exams in Math 114, Lecture 1

Note that the schedule of exams is now as follows:

Exam #1	Monday, October 3	In class	Chapters 1 and 2
Exam #2	Wednesday, November 2	In class	Chapters 3, 4 and 5
Final Exam	Tuesday, December 20	7:25 – 9:25 PM	

See your TA as soon as possible if you have a conflict with one of these exams!

Date	Sections	Topics
09/02/05	1.1, 1.2	Real numbers, exponents and radicals
09/07/05	1.3, 1.4	Polynomials, rational functions, equations, quadratic formula
09/09/05	1.5	Quadratic formula, complex numbers
09/12/05	1.6	Inequalities
09/14/05	2.1, 2.2	Rectangular coordinates, graphs of equations
09/16/05	2.3	Equations of lines
09/19/05	2.4	The concept of functions
09/21/05	2.5	Graphs of functions
09/23/05	2.6	Quadratic functions
09/26/05	2.7, 4.1	Operations on functions; inverse functions
09/28/05	3.6	Direct and inverse variation
09/30/05	3.1, 3.2	General polynomials; division of polynomials
10/03/05	Exam #1	In class covering Chapters 1 and 2
10/05/05	3.3, 3.4	Zeros of polynomials; complex and rational roots
10/07/05	3.5	Rational functions
10/10/05	4.2, 4.3	Exponential functions
10/12/05	4.4	Logarithmic functions
10/14/05	4.5	Properties of logarithms
10/17/05	4.6	Exponential and logarithmic equations
10/19/05	5.1, 5.2	Trigonometric functions of angles
10/21/05	5.3	Trigonometric functions of real numbers

Date	Sections	Topics
10/24/05	5.4	Values of trigonometric functions
10/26/05	5.5	Trigonometric graphs
10/28/05	5.6	Trigonometric graphs
10/31/05	5.7	Applied trigonometric problems
11/02/05	Exam #2	In class covering Chapters 3,4, and 5
11/04/05	6.1	Trigonometric identities
11/07/05	6.2	Trigonometric equations
11/09/05	6.3	Addition and subtraction formulas
11/11/05	6.4	Multiple angle formulas
11/14/05	6.5	Product to sum and sum to product formulas
11/16/05	6.6	Inverse trigonometric functions
11/18/05	7.1, 7.2	Law of sines, law of cosines
11/21/05	7.3	Vectors
11/23/05	7.4	Dot products
11/25/05	Thanksgiving Recess	
11/28/05	7.5	Complex numbers and trigonometry
11/30/05	7.6	Roots of complex numbers, De Moivre's Theorem
12/02/05	8.1	Systems of equations
12/05/05	8.2	Linear equations in two variables
12/07/05	10.1	Parabolas
12/09/05	10.2	Ellipses
12/12/05	10.3	Hyperbolas
12/14/05	Review	
12/20/05	Final Exam	7:25 PM – 9:25 PM